Appendix _LTE

Conducted Test Data

LTE Band 38

Conducted output power and EIRP

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band38	5	37775	1	#0	QAM16	23.90	1.44	25.34	33	PASS
Band38	5	37775	1	#Mid	QAM16	23.91	1.44	25.35	33	PASS
Band38	5	37775	1	#Max	QAM16	23.52	1.44	24.96	33	PASS
Band38	5	37775	12	#0	QAM16	22.79	1.44	24.23	33	PASS
Band38	5	37775	12	#Mid	QAM16	22.60	1.44	24.04	33	PASS
Band38	5	37775	12	#Max	QAM16	22.38	1.44	23.82	33	PASS
Band38	5	37775	25	#0	QAM16	22.79	1.44	24.23	33	PASS
Band38	5	38000	1	#0	QAM16	23.23	1.44	24.67	33	PASS
Band38	5	38000	1	#Mid	QAM16	23.47	1.44	24.91	33	PASS
Band38	5	38000	1	#Max	QAM16	23.40	1.44	24.84	33	PASS
Band38	5	38000	12	#0	QAM16	22.57	1.44	24.01	33	PASS
Band38	5	38000	12	#Mid	QAM16	22.67	1.44	24.11	33	PASS
Band38	5	38000	12	#Max	QAM16	22.64	1.44	24.08	33	PASS
Band38	5	38000	25	#0	QAM16	22.55	1.44	23.99	33	PASS
Band38	5	38225	1	#0	QAM16	23.52	1.44	24.96	33	PASS
Band38	5	38225	1	#Mid	QAM16	23.74	1.44	25.18	33	PASS
Band38	5	38225	1	#Max	QAM16	23.57	1.44	25.01	33	PASS
Band38	5	38225	12	#0	QAM16	22.88	1.44	24.32	33	PASS
Band38	5	38225	12	#Mid	QAM16	22.97	1.44	24.41	33	PASS
Band38	5	38225	12	#Max	QAM16	23.15	1.44	24.59	33	PASS
Band38	5	38225	25	#0	QAM16	22.96	1.44	24.40	33	PASS
Band38	10	37800	1	#0	QAM16	24.60	1.44	26.04	33	PASS
Band38	10	37800	1	#Mid	QAM16	24.42	1.44	25.86	33	PASS
Band38	10	37800	1	#Max	QAM16	24.08	1.44	25.52	33	PASS
Band38	10	37800	25	#0	QAM16	22.85	1.44	24.29	33	PASS
Band38	10	37800	25	#Mid	QAM16	22.84	1.44	24.28	33	PASS
Band38	10	37800	25	#Max	QAM16	22.72	1.44	24.16	33	PASS
Band38	10	37800	50	#0	QAM16	22.63	1.44	24.07	33	PASS
Band38	10	38000	1	#0	QAM16	22.68	1.44	24.12	33	PASS
Band38	10	38000	1	#Mid	QAM16	22.71	1.44	24.15	33	PASS
Band38	10	38000	1	#Max	QAM16	22.77	1.44	24.21	33	PASS
Band38	10	38000	25	#0	QAM16	22.44	1.44	23.88	33	PASS
Band38	10	38000	25	#Mid	QAM16	22.47	1.44	23.91	33	PASS

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Band38	10	38000	25	#Max	QAM16	22.58	1.44	24.02	33	PASS
Band38	10	38000	50	#0	QAM16	22.54	1.44	23.98	33	PASS
Band38	10	38200	1	#0	QAM16	23.76	1.44	25.20	33	PASS
Band38	10	38200	1	#Mid	QAM16	24.45	1.44	25.89	33	PASS
Band38	10	38200	1	#Max	QAM16	24.61	1.44	26.05	33	PASS
Band38	10	38200	25	#0	QAM16	22.99	1.44	24.43	33	PASS
Band38	10	38200	25	#Mid	QAM16	23.08	1.44	24.52	33	PASS
Band38	10	38200	25	#Max	QAM16	22.91	1.44	24.35	33	PASS
Band38	10	38200	50	#0	QAM16	22.93	1.44	24.37	33	PASS
Band38	15	37825	1	#0	QAM16	24.61	1.44	26.05	33	PASS
Band38	15	37825	1	#Mid	QAM16	24.34	1.44	25.78	33	PASS
Band38	15	37825	1	#Max	QAM16	24.18	1.44	25.62	33	PASS
Band38	15	37825	36	#0	QAM16	22.57	1.44	24.01	33	PASS
Band38	15	37825	36	#Mid	QAM16	22.67	1.44	24.11	33	PASS
Band38	15	37825	36	#Max	QAM16	22.65	1.44	24.09	33	PASS
Band38	15	37825	75	#0	QAM16	22.69	1.44	24.13	33	PASS
Band38	15	38000	1	#0	QAM16	22.74	1.44	24.18	33	PASS
Band38	15	38000	1	#Mid	QAM16	23.02	1.44	24.46	33	PASS
Band38	15	38000	1	#Max	QAM16	23.02	1.44	24.46	33	PASS
Band38	15	38000	36	#0	QAM16	22.65	1.44	24.09	33	PASS
Band38	15	38000	36	#Mid	QAM16	22.73	1.44	24.17	33	PASS
Band38	15	38000	36	#Max	QAM16	22.81	1.44	24.25	33	PASS
Band38	15	38000	75	#0	QAM16	22.69	1.44	24.13	33	PASS
Band38	15	38175	1	#0	QAM16	23.76	1.44	25.20	33	PASS
Band38	15	38175	1	#Mid	QAM16	23.96	1.44	25.40	33	PASS
Band38	15	38175	1	#Max	QAM16	24.04	1.44	25.48	33	PASS
Band38	15	38175	36	#0	QAM16	22.80	1.44	24.24	33	PASS
Band38	15	38175	36	#Mid	QAM16	22.90	1.44	24.34	33	PASS
Band38	15	38175	36	#Max	QAM16	22.87	1.44	24.31	33	PASS
Band38	15	38175	75	#0	QAM16	23.08	1.44	24.52	33	PASS
Band38	20	37850	1	#0	QAM16	23.82	1.44	25.26	33	PASS
Band38	20	37850	1	#Mid	QAM16	23.51	1.44	24.95	33	PASS
Band38	20	37850	1	#Max	QAM16	23.11	1.44	24.55	33	PASS
Band38	20	37850	50	#0	QAM16	22.79	1.44	24.23	33	PASS
Band38	20	37850	50	#Mid	QAM16	22.79	1.44	24.23	33	PASS
Band38	20	37850	50	#Max	QAM16	22.60	1.44	24.04	33	PASS
Band38	20	37850	100	#0	QAM16	22.66	1.44	24.10	33	PASS
Band38	20	38000	1	#0	QAM16	22.73	1.44	24.17	33	PASS
Band38	20	38000	1	#Mid	QAM16	22.80	1.44	24.24	33	PASS
Band38	20	38000	1	#Max	QAM16	23.09	1.44	24.53	33	PASS
Band38	20	38000	50	#0	QAM16	22.50	1.44	23.94	33	PASS
Band38	20	38000	50	#Mid	QAM16	22.74	1.44	24.18	33	PASS
Band38	20	38000	50	#Max	QAM16	22.74	1.44	24.18	33	PASS
Band38	20	38000	100	#0	QAM16	22.54	1.44	23.98	33	PASS
Band38	20	38150	1	#0	QAM16	23.74	1.44	25.18	33	PASS

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Band38	20	38150	1	#Mid	QAM16	24.00	1.44	25.44	33	PASS
Band38	20	38150	1	#Max	QAM16	**24.17**	1.44	25.61	33	PASS
Band38	20	38150	50	#0	QAM16	22.82	1.44	24.26	33	PASS
Band38	20	38150	50	#Mid	QAM16	23.03	1.44	24.47	33	PASS
Band38	20	38150	50	#Max	QAM16	22.97	1.44	24.41	33	PASS
Band38	20	38150	100	#0	QAM16	22.87	1.44	24.31	33	PASS
Band38	5	37775	1	#0	QPSK	25.05	1.44	26.49	33	PASS
Band38	5	37775	1	#Mid	QPSK	**25.31**	1.44	26.75	33	PASS
Band38	5	37775	1	#Max	QPSK	24.63	1.44	26.07	33	PASS
Band38	5	37775	12	#0	QPSK	24.00	1.44	25.44	33	PASS
Band38	5	37775	12	#Mid	QPSK	23.87	1.44	25.31	33	PASS
Band38	5	37775	12	#Max	QPSK	23.75	1.44	25.19	33	PASS
Band38	5	37775	25	#0	QPSK	23.82	1.44	25.26	33	PASS
Band38	5	38000	1	#0	QPSK	24.30	1.44	25.74	33	PASS
Band38	5	38000	1	#Mid	QPSK	24.81	1.44	26.25	33	PASS
Band38	5	38000	1	#Max	QPSK	24.51	1.44	25.95	33	PASS
Band38	5	38000	12	#0	QPSK	23.69	1.44	25.13	33	PASS
Band38	5	38000	12	#Mid	QPSK	23.68	1.44	25.12	33	PASS
Band38	5	38000	12	#Max	QPSK	23.66	1.44	25.10	33	PASS
Band38	5	38000	25	#0	QPSK	23.64	1.44	25.08	33	PASS
Band38	5	38225	1	#0	QPSK	24.77	1.44	26.21	33	PASS
Band38	5	38225	1	#Mid	QPSK	25.26	1.44	26.70	33	PASS
Band38	5	38225	1	#Max	QPSK	24.97	1.44	26.41	33	PASS
Band38	5	38225	12	#0	QPSK	24.02	1.44	25.46	33	PASS
Band38	5	38225	12	#Mid	QPSK	24.02	1.44	25.46	33	PASS
Band38	5	38225	12	#Max	QPSK	24.10	1.44	25.54	33	PASS
Band38	5	38225	25	#0	QPSK	24.05	1.44	25.49	33	PASS
Band38	10	37800	1	#0	QPSK	24.99	1.44	26.43	33	PASS
Band38	10	37800	1	#Mid	QPSK	24.89	1.44	26.33	33	PASS
Band38	10	37800	1	#Max	QPSK	24.54	1.44	25.98	33	PASS
Band38	10	37800	25	#0	QPSK	23.92	1.44	25.36	33	PASS
Band38	10	37800	25	#Mid	QPSK	23.91	1.44	25.35	33	PASS
Band38	10	37800	25	#Max	QPSK	23.69	1.44	25.13	33	PASS
Band38	10	37800	50	#0	QPSK	23.75	1.44	25.19	33	PASS
Band38	10	38000	1	#0	QPSK	24.67	1.44	26.11	33	PASS
Band38	10	38000	1	#Mid	QPSK	24.86	1.44	26.30	33	PASS
Band38	10	38000	1	#Max	QPSK	24.86	1.44	26.30	33	PASS
Band38	10	38000	25	#0	QPSK	23.61	1.44	25.05	33	PASS
Band38	10	38000	25	#Mid	QPSK	23.75	1.44	25.19	33	PASS
Band38	10	38000	25	#Max	QPSK	23.74	1.44	25.18	33	PASS
Band38	10	38000	50	#0	QPSK	23.68	1.44	25.12	33	PASS
Band38	10	38200	1	#0	QPSK	24.78	1.44	26.22	33	PASS
Band38	10	38200	1	#Mid	QPSK	24.97	1.44	26.41	33	PASS
Band38	10	38200	1	#Max	QPSK	24.94	1.44	26.38	33	PASS
Band38	10	38200	25	#0	QPSK	23.98	1.44	25.42	33	PASS

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Band38	10	38200	25	#Mid	QPSK	24.06	1.44	25.50	33	PASS
Band38	10	38200	25	#Max	QPSK	23.97	1.44	25.41	33	PASS
Band38	10	38200	50	#0	QPSK	24.04	1.44	25.48	33	PASS
Band38	15	37825	1	#0	QPSK	24.96	1.44	26.40	33	PASS
Band38	15	37825	1	#Mid	QPSK	24.72	1.44	26.16	33	PASS
Band38	15	37825	1	#Max	QPSK	24.65	1.44	26.09	33	PASS
Band38	15	37825	36	#0	QPSK	23.84	1.44	25.28	33	PASS
Band38	15	37825	36	#Mid	QPSK	23.82	1.44	25.26	33	PASS
Band38	15	37825	36	#Max	QPSK	23.70	1.44	25.14	33	PASS
Band38	15	37825	75	#0	QPSK	23.67	1.44	25.11	33	PASS
Band38	15	38000	1	#0	QPSK	24.63	1.44	26.07	33	PASS
Band38	15	38000	1	#Mid	QPSK	24.87	1.44	26.31	33	PASS
Band38	15	38000	1	#Max	QPSK	24.87	1.44	26.31	33	PASS
Band38	15	38000	36	#0	QPSK	23.67	1.44	25.11	33	PASS
Band38	15	38000	36	#Mid	QPSK	23.83	1.44	25.27	33	PASS
Band38	15	38000	36	#Max	QPSK	23.77	1.44	25.21	33	PASS
Band38	15	38000	75	#0	QPSK	23.66	1.44	25.10	33	PASS
Band38	15	38175	1	#0	QPSK	24.67	1.44	26.11	33	PASS
Band38	15	38175	1	#Mid	QPSK	25.18	1.44	26.62	33	PASS
Band38	15	38175	1	#Max	QPSK	25.08	1.44	26.52	33	PASS
Band38	15	38175	36	#0	QPSK	23.93	1.44	25.37	33	PASS
Band38	15	38175	36	#Mid	QPSK	24.12	1.44	25.56	33	PASS
Band38	15	38175	36	#Max	QPSK	24.09	1.44	25.53	33	PASS
Band38	15	38175	75	#0	QPSK	24.02	1.44	25.46	33	PASS
Band38	20	37850	1	#0	QPSK	24.75	1.44	26.19	33	PASS
Band38	20	37850	1	#Mid	QPSK	24.52	1.44	25.96	33	PASS
Band38	20	37850	1	#Max	QPSK	24.28	1.44	25.72	33	PASS
Band38	20	37850	50	#0	QPSK	23.81	1.44	25.25	33	PASS
Band38	20	37850	50	#Mid	QPSK	23.82	1.44	25.26	33	PASS
Band38	20	37850	50	#Max	QPSK	23.65	1.44	25.09	33	PASS
Band38	20	37850	100	#0	QPSK	23.73	1.44	25.17	33	PASS
Band38	20	38000	1	#0	QPSK	24.48	1.44	25.92	33	PASS
Band38	20	38000	1	#Mid	QPSK	24.77	1.44	26.21	33	PASS
Band38	20	38000	1	#Max	QPSK	24.71	1.44	26.15	33	PASS
Band38	20	38000	50	#0	QPSK	23.71	1.44	25.15	33	PASS
Band38	20	38000	50	#Mid	QPSK	23.72	1.44	25.16	33	PASS
Band38	20	38000	50	#Max	QPSK	23.84	1.44	25.28	33	PASS
Band38	20	38000	100	#0	QPSK	23.72	1.44	25.16	33	PASS
Band38	20	38150	1	#0	QPSK	24.94	1.44	26.38	33	PASS
Band38	20	38150	1	#Mid	QPSK	25.10	1.44	26.54	33	PASS
Band38	20	38150	1	#Max	QPSK	**25.28**	1.44	26.72	33	PASS
Band38	20	38150	50	#0	QPSK	23.95	1.44	25.39	33	PASS
Band38	20	38150	50	#Mid	QPSK	23.95	1.44	25.39	33	PASS
Band38	20	38150	50	#Max	QPSK	23.98	1.44	25.42	33	PASS
Band38	20	38150	100	#0	QPSK	23.92	1.44	25.36	33	PASS

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Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature(℃)	Result (Hz)	Result (ppm)	Verdict
Band38	20	38000	100	#0	QPSK	VL	NT	2.11	0.001	PASS
Band38	20	38000	100	#0	QPSK	VN	NT	-3.24	-0.001	PASS
Band38	20	38000	100	#0	QPSK	VH	NT	-2.73	-0.001	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature(℃)	Result (Hz)	Result (ppm)	Verdict
Band38	20	38000	100	#0	QPSK	NV	-30	-11.99	-0.005	PASS
Band38	20	38000	100	#0	QPSK	NV	-20	-12.69	-0.005	PASS
Band38	20	38000	100	#0	QPSK	NV	-10	-6.78	-0.003	PASS
Band38	20	38000	100	#0	QPSK	NV	0	-1.59	-0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	10	-4.43	-0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	20	-2.57	-0.001	PASS
Band38	20	38000	100	#0	QPSK	NV	30	-3.88	-0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	40	3.36	0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	50	5.11	0.002	PASS

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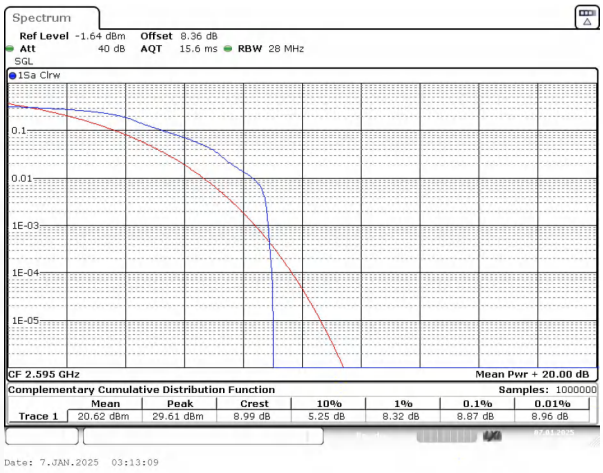
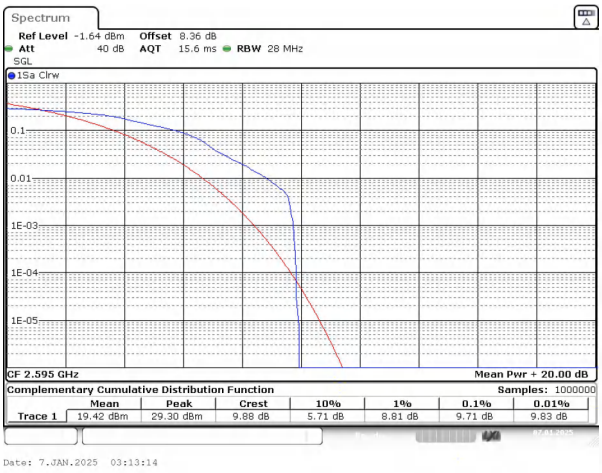
Peak-to-Average Ratio

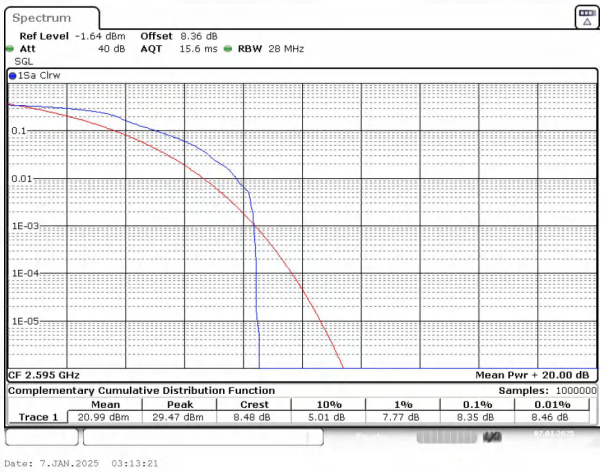
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band38	5	38000	1	#0	QAM16	9.71	13	PASS
Band38	10	38000	1	#0	QAM16	9.71	13	PASS
Band38	15	38000	1	#0	QAM16	9.3	13	PASS
Band38	20	38000	1	#0	QAM16	9.45	13	PASS
Band38	5	38000	1	#0	QPSK	8.87	13	PASS
Band38	10	38000	1	#0	QPSK	8.35	13	PASS
Band38	15	38000	1	#0	QPSK	8.75	13	PASS
Band38	20	38000	1	#0	QPSK	8.35	13	PASS



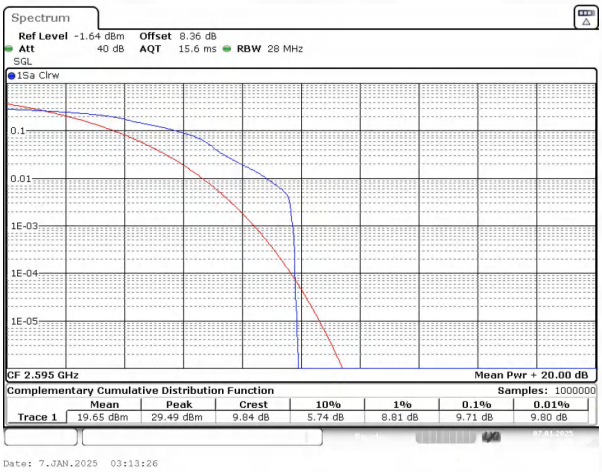
Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0



Band38 QAM16 BW=5MHz Channel=38000 RB Size=1 Position=#0



Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0



Band38 QAM16 BW=10MHz Channel=38000 RB Size=1 Position=#0

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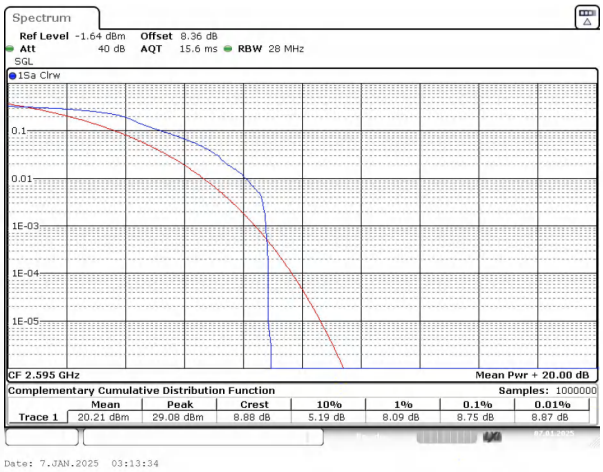
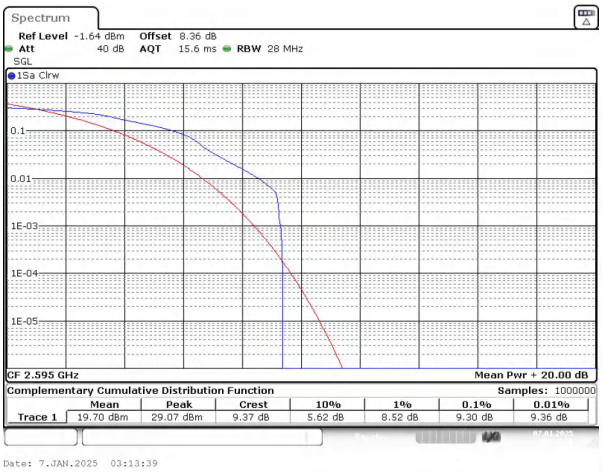
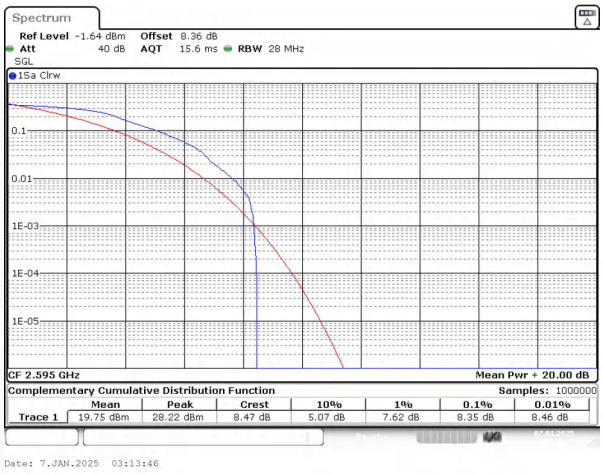


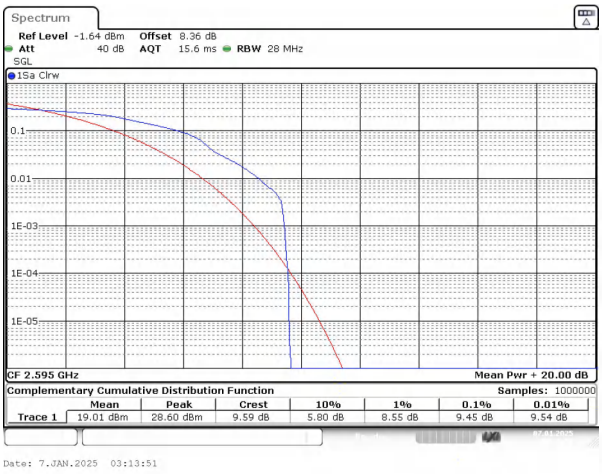
Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0



Band38 QAM16 BW=15MHz Channel=38000 RB Size=1 Position=#0



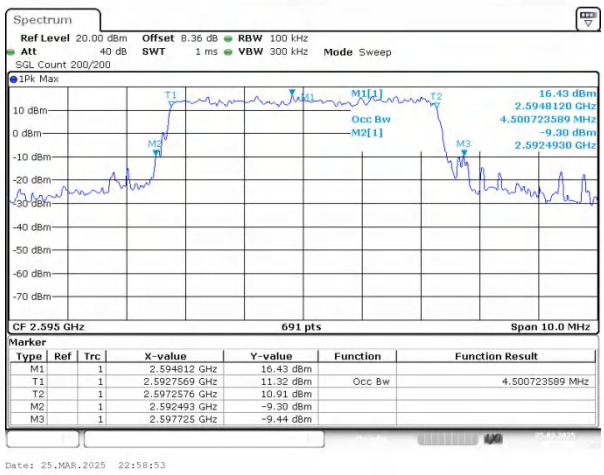
Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0



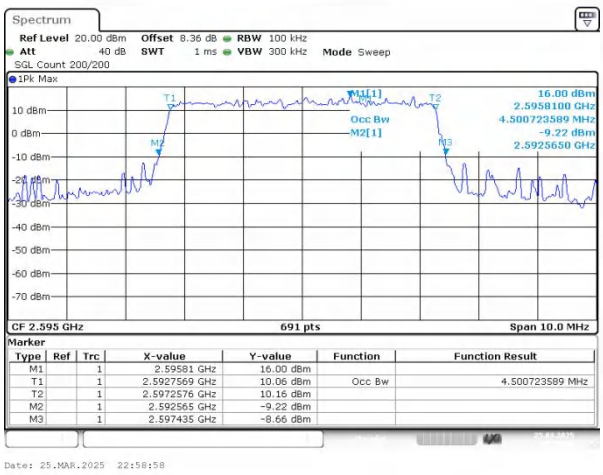
Band38 QAM16 BW=20MHz Channel=38000 RB Size=1 Position=#0

Occupied bandwidth

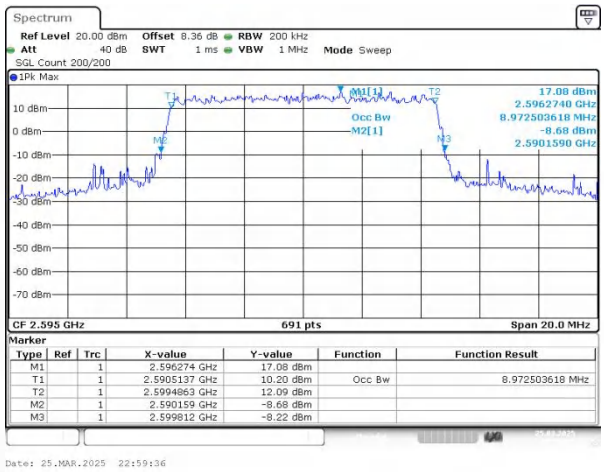
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band38	5	37775	25	#0	QAM16	4.486	4.913	PASS
Band38	5	38000	25	#0	QAM16	4.501	4.87	PASS
Band38	5	38225	25	#0	QAM16	4.501	5.116	PASS
Band38	10	37800	50	#0	QAM16	8.973	9.942	PASS
Band38	10	38000	50	#0	QAM16	8.973	9.594	PASS
Band38	10	38200	50	#0	QAM16	8.973	9.681	PASS
Band38	15	37825	75	#0	QAM16	13.415	17.565	PASS
Band38	15	38000	75	#0	QAM16	13.459	15.522	PASS
Band38	15	38175	75	#0	QAM16	13.502	15	PASS
Band38	20	37850	100	#0	QAM16	17.887	19.42	PASS
Band38	20	38000	100	#0	QAM16	18.003	19.304	PASS
Band38	20	38150	100	#0	QAM16	**17.945**	21.217	PASS
Band38	5	37775	25	#0	QPSK	**4.515**	4.942	PASS
Band38	5	38000	25	#0	QPSK	4.501	5.232	PASS
Band38	5	38225	25	#0	QPSK	4.53	4.928	PASS
Band38	10	37800	50	#0	QPSK	8.944	10.638	PASS
Band38	10	38000	50	#0	QPSK	8.973	9.652	PASS
Band38	10	38200	50	#0	QPSK	8.944	10.928	PASS
Band38	15	37825	75	#0	QPSK	13.459	14.783	PASS
Band38	15	38000	75	#0	QPSK	13.502	14.565	PASS
Band38	15	38175	75	#0	QPSK	13.415	15.348	PASS
Band38	20	37850	100	#0	QPSK	17.945	23.71	PASS
Band38	20	38000	100	#0	QPSK	17.887	19.362	PASS
Band38	20	38150	100	#0	QPSK	**17.887**	19.884	PASS



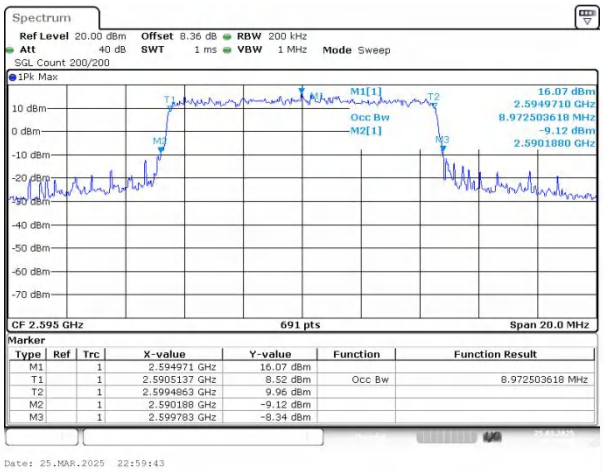
Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0



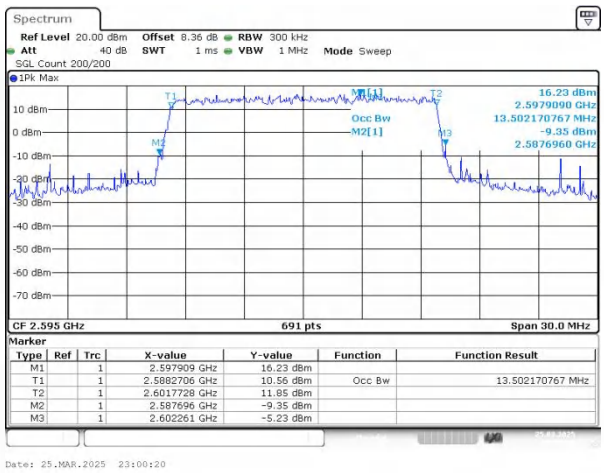
Band38 QAM16 BW=5MHz Channel=38000 RB Size=25 Position=#0



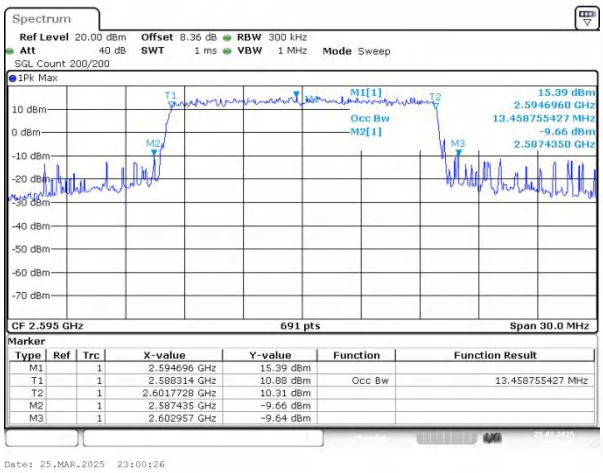
Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0



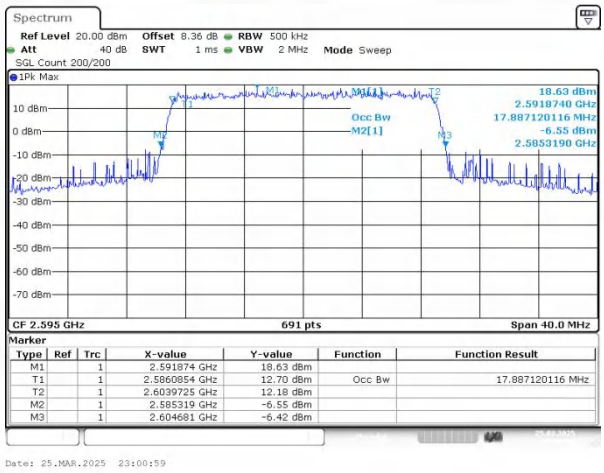
Band38 QAM16 BW=10MHz Channel=38000 RB Size=50 Position=#0



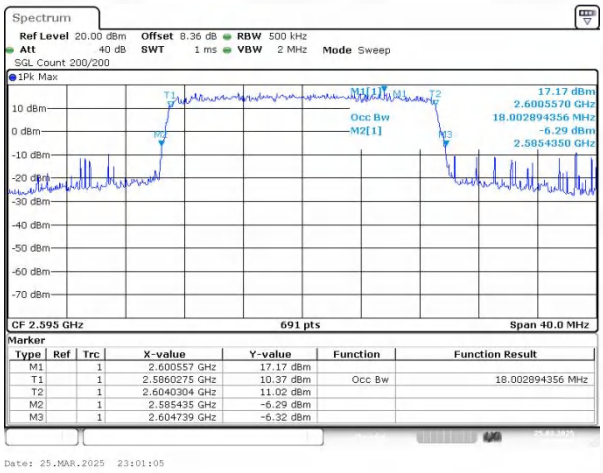
Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0



Band38 QAM16 BW=15MHz Channel=38000 RB Size=75 Position=#0



Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



Band38 QAM16 BW=20MHz Channel=38000 RB Size=100 Position=#0

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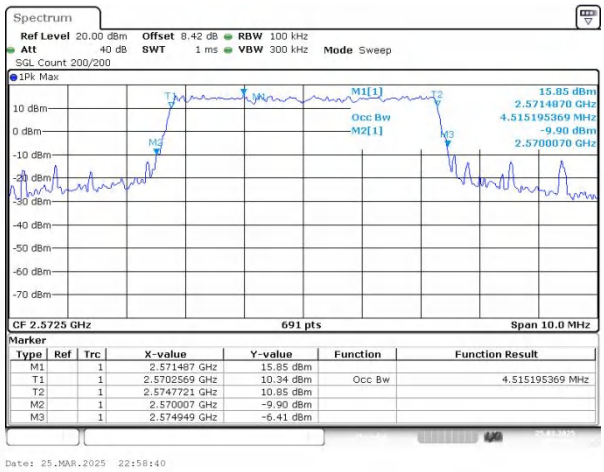
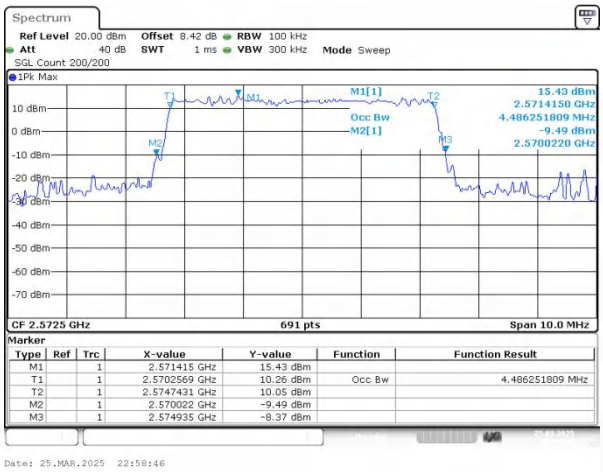
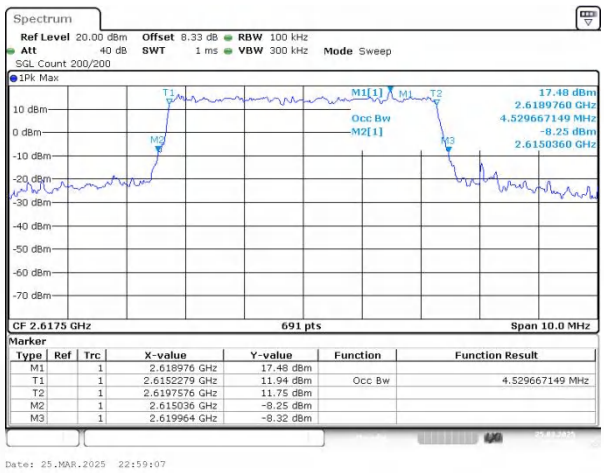


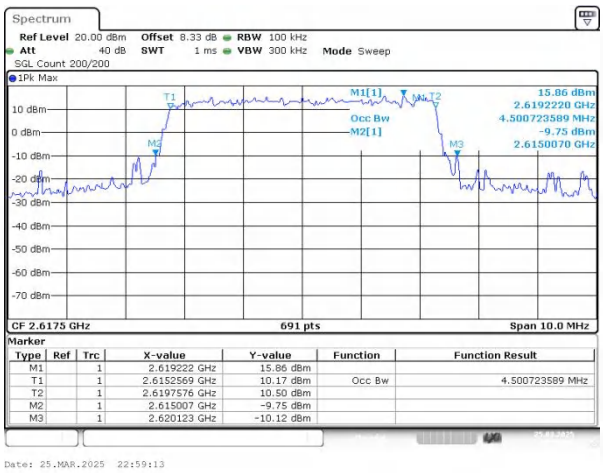
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



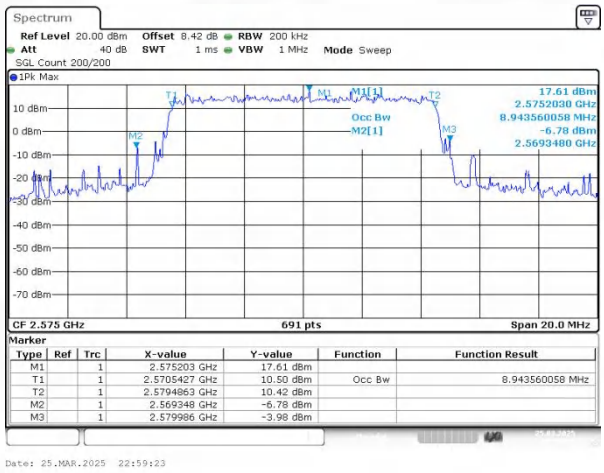
Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0



Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0

Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0

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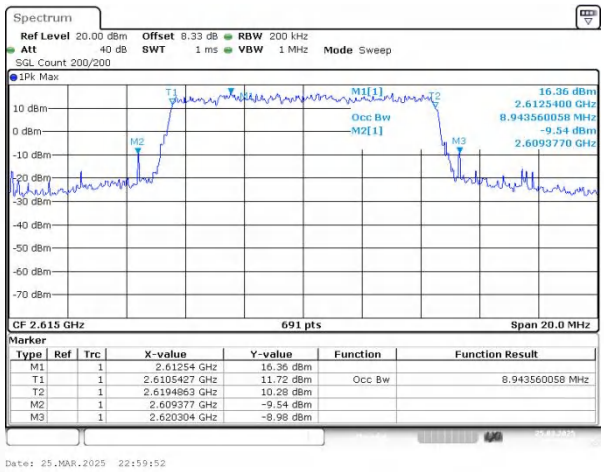
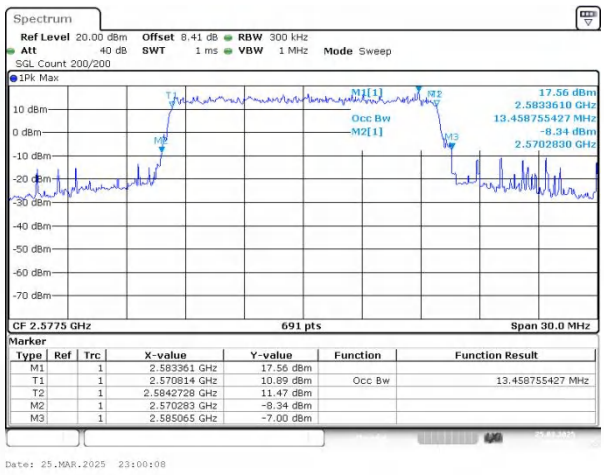
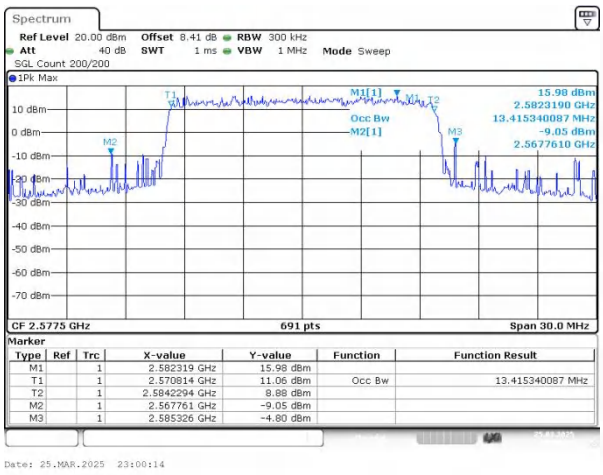


Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

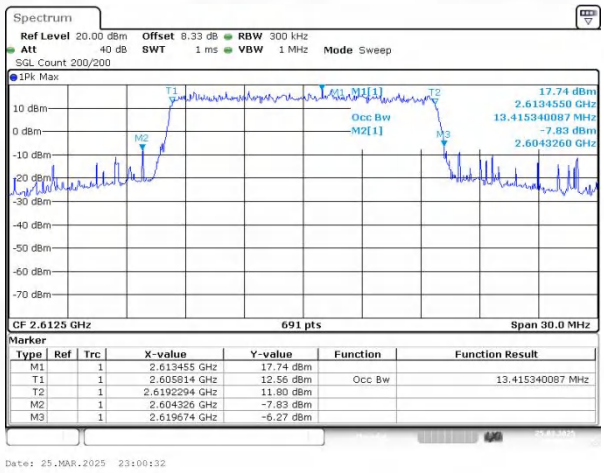
Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0



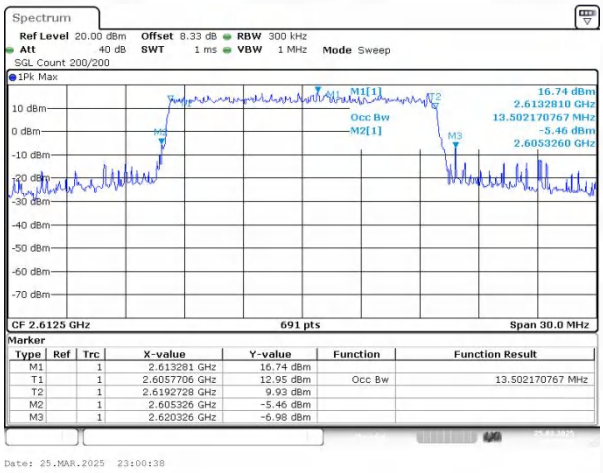
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0



Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0

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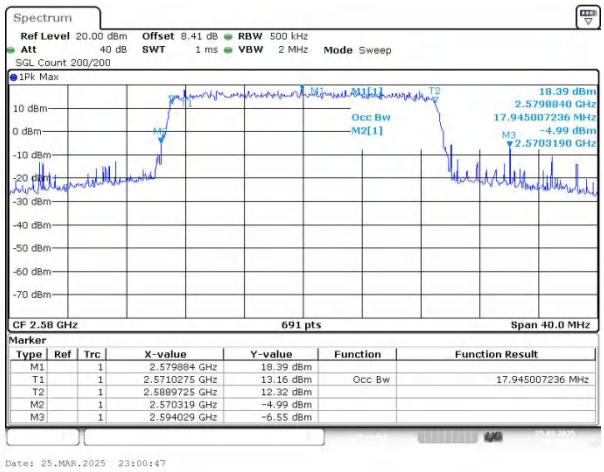
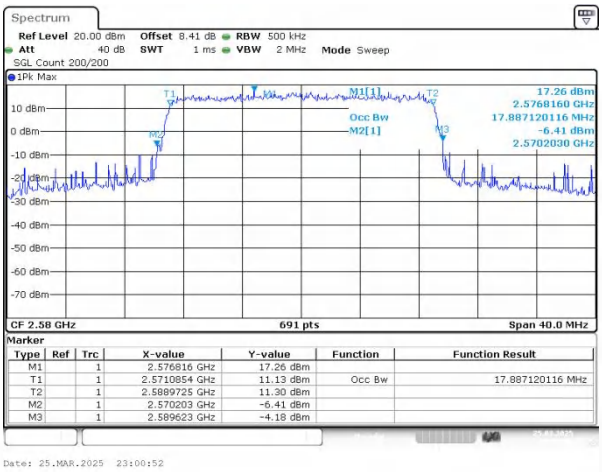
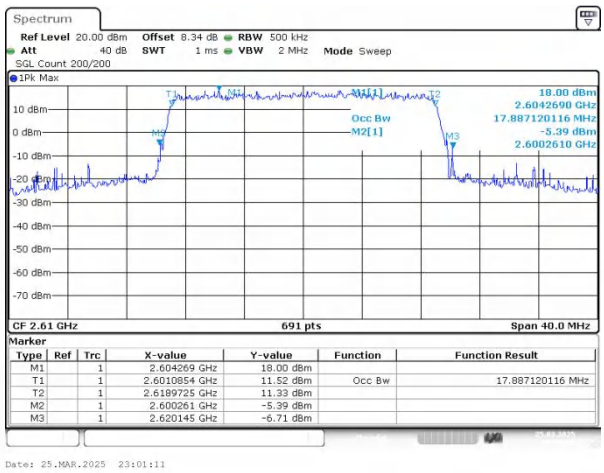


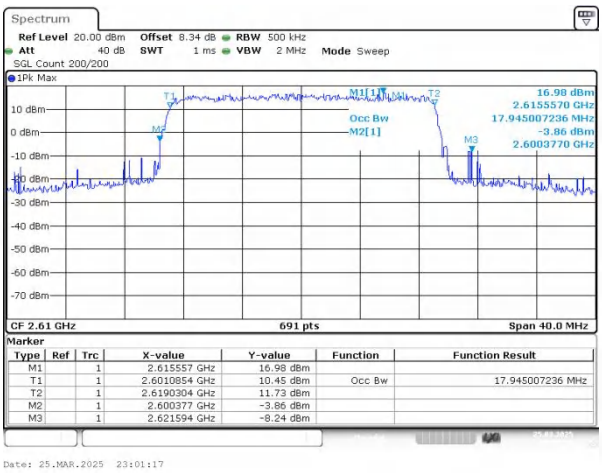
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0



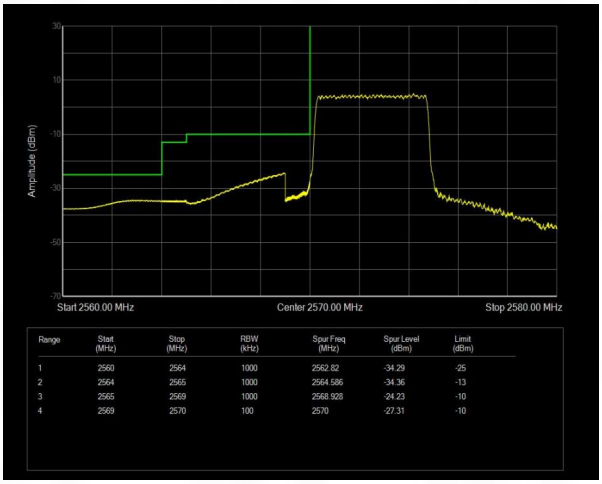
Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



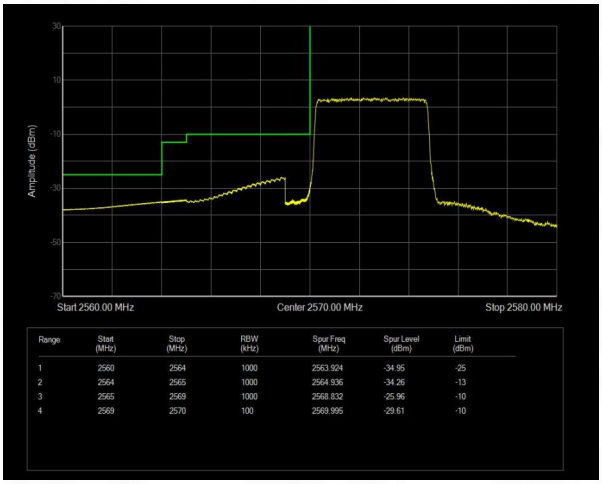
Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0

Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QAM16	2563.92	-34.95	-25	PASS
Band38	5	38225	25	#0	QAM16	2626.1	-33.18	-25	PASS
Band38	10	37800	50	#0	QAM16	2559.53	-34.32	-25	PASS
Band38	10	38200	50	#0	QAM16	2632.25	-33.31	-25	PASS
Band38	15	37825	75	#0	QAM16	2554.88	-35.51	-25	PASS
Band38	15	38175	75	#0	QAM16	2636.02	-33.81	-25	PASS
Band38	20	37850	100	#0	QAM16	2549.68	-37.35	-25	PASS
Band38	20	38150	100	#0	QAM16	2640.42	-35.72	-25	PASS
Band38	5	37775	25	#0	QPSK	2562.82	-34.29	-25	PASS
Band38	5	38225	25	#0	QPSK	2627.01	-33.44	-25	PASS
Band38	10	37800	50	#0	QPSK	2558.61	-35.38	-25	PASS
Band38	10	38200	50	#0	QPSK	2631.22	-32.78	-25	PASS
Band38	15	37825	75	#0	QPSK	2554.6	-35.91	-25	PASS
Band38	15	38175	75	#0	QPSK	2635.68	-34.36	-25	PASS
Band38	20	37850	100	#0	QPSK	2545.54	-37.3	-25	PASS
Band38	20	38150	100	#0	QPSK	2644.52	-36	-25	PASS



Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0

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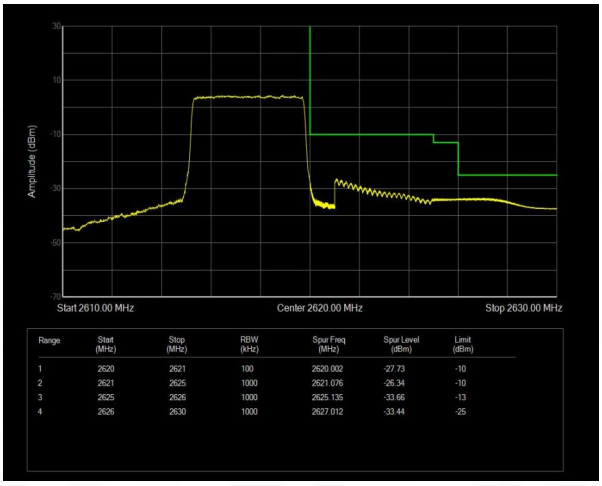
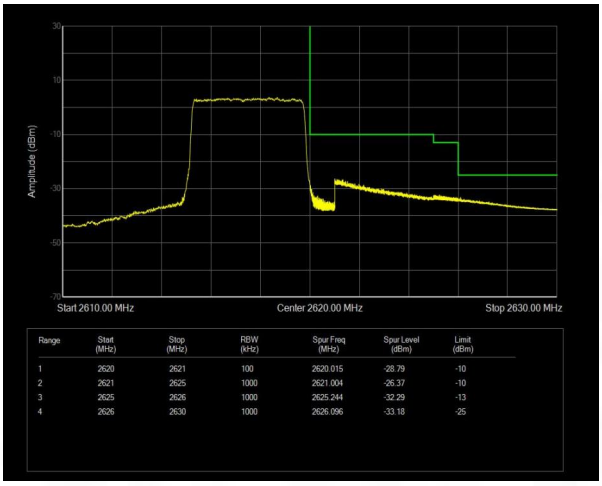
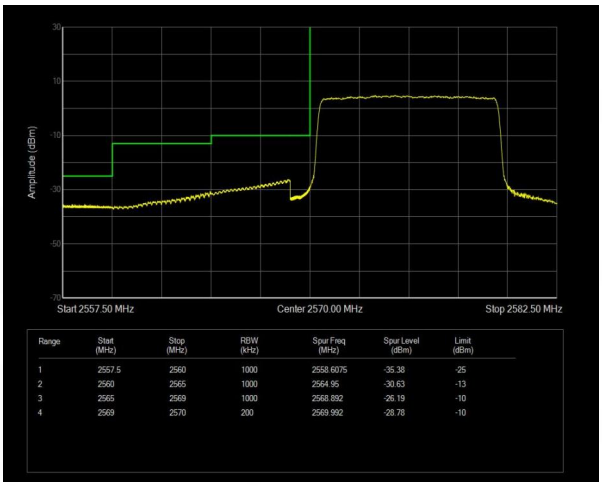


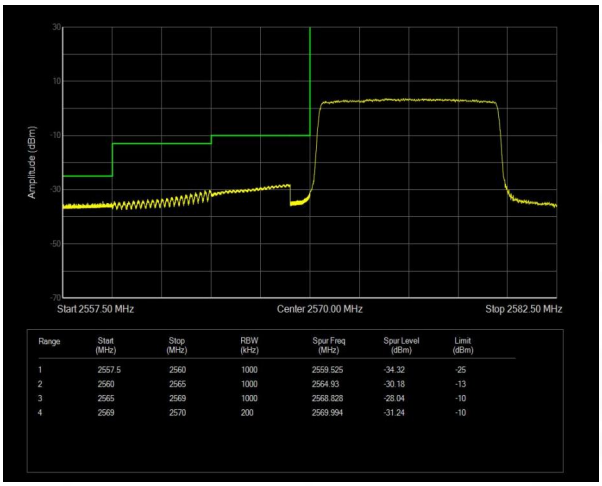
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



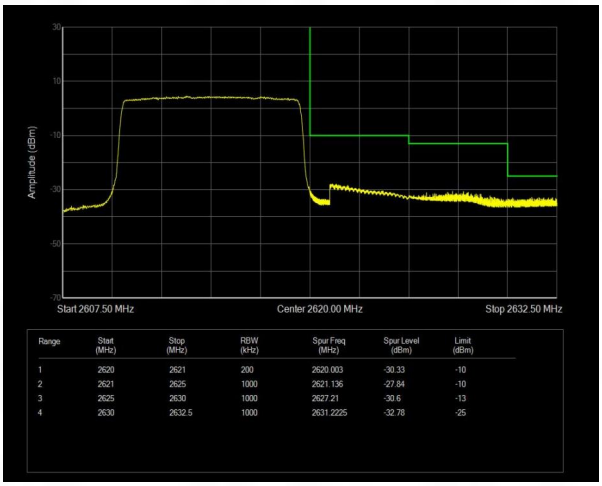
Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



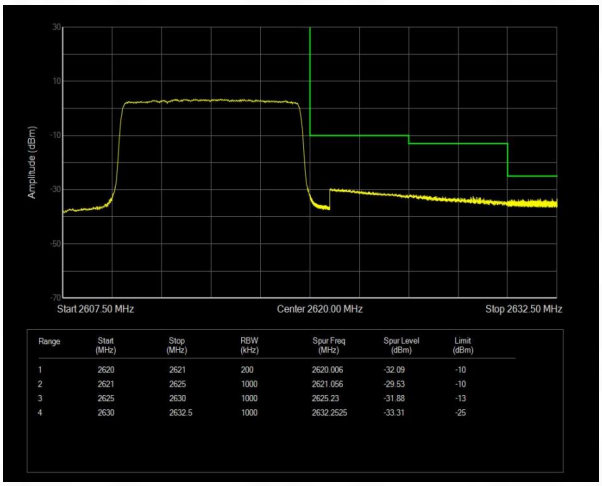
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0

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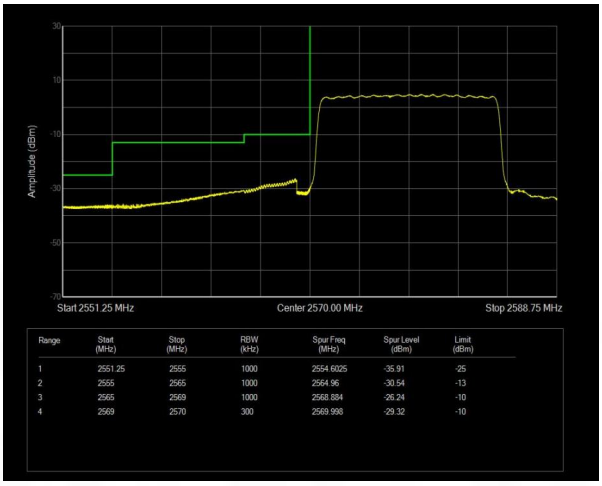
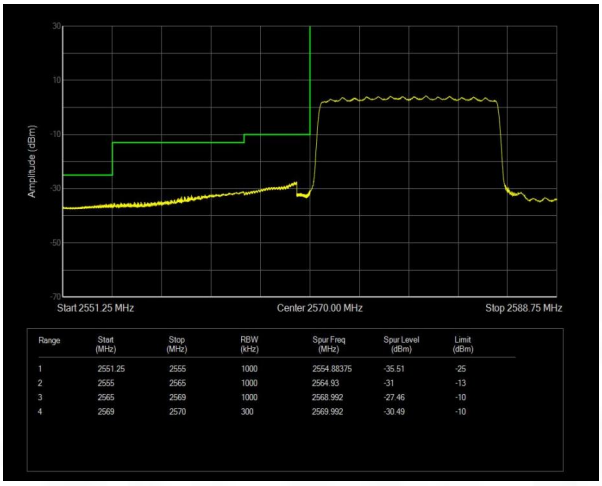
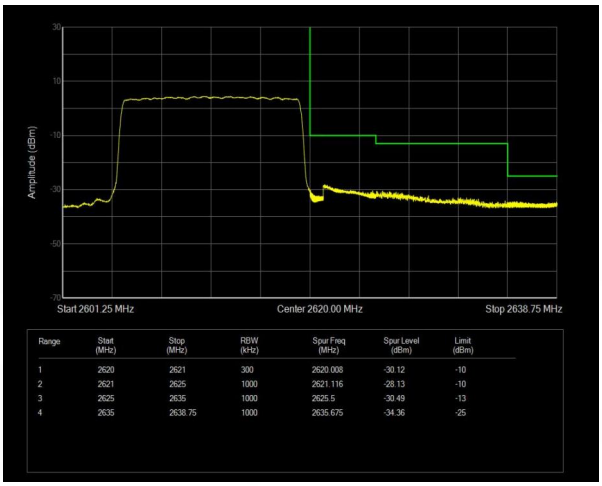


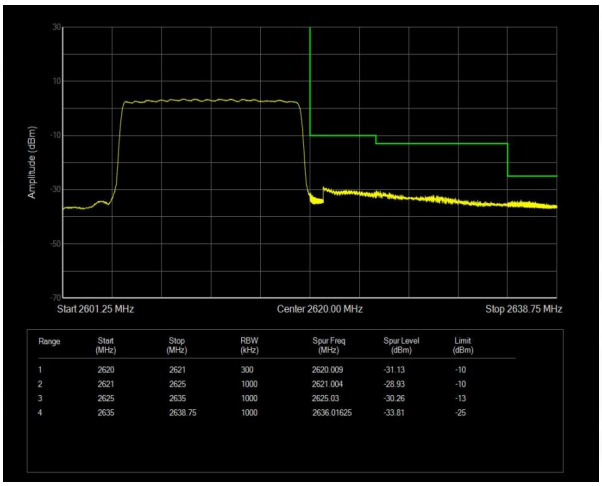
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



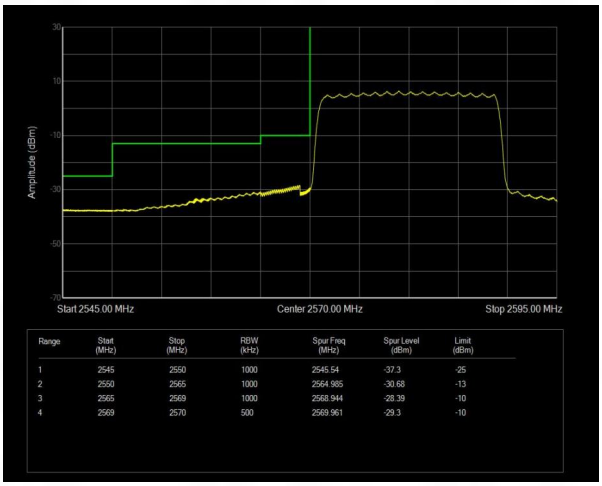
Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0



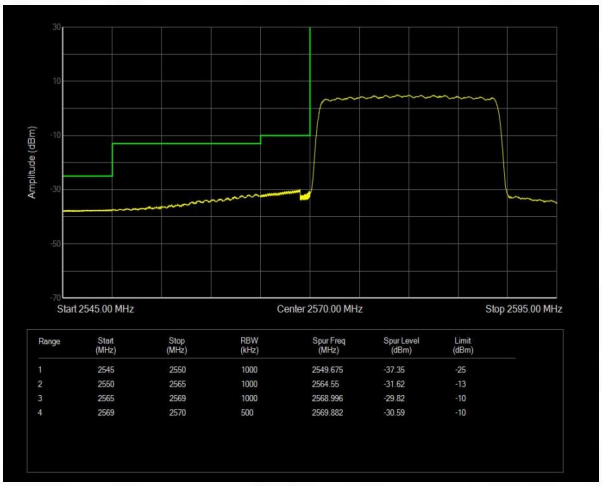
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0



Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0

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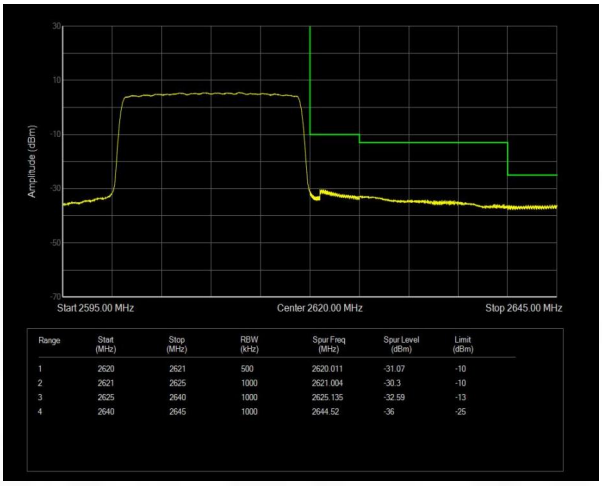
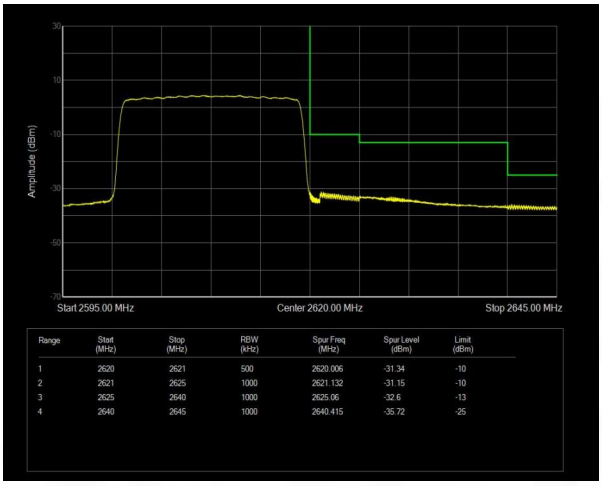


Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0

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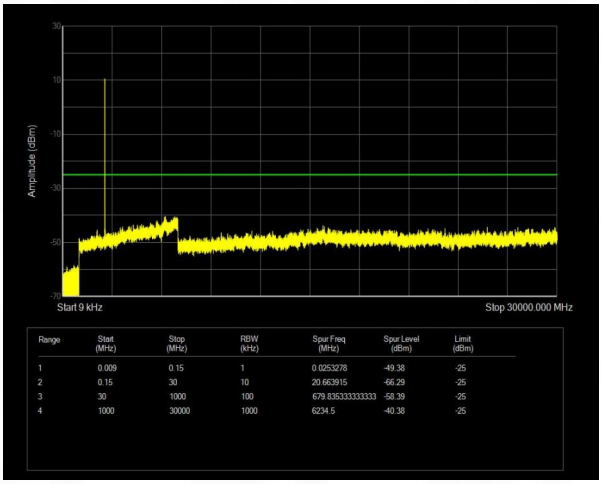
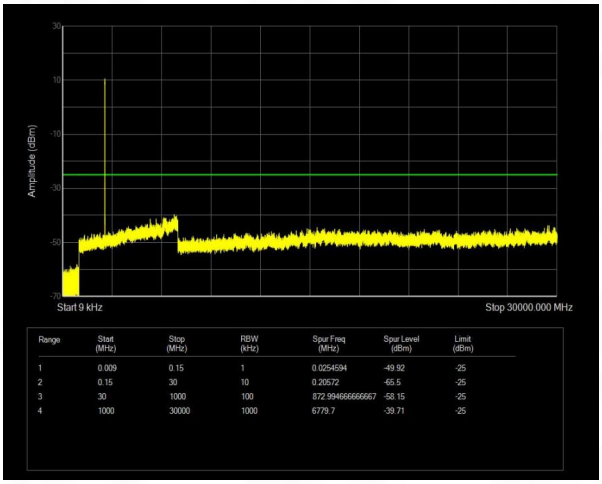
Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QAM16	6779.7	-39.71	-25	PASS
Band38	5	38225	25	#0	QAM16	6810.63	-40.31	-25	PASS
Band38	10	37800	50	#0	QAM16	6885.07	-39.95	-25	PASS
Band38	10	38200	50	#0	QAM16	6826.1	-40.92	-25	PASS
Band38	15	37825	75	#0	QAM16	6763.27	-40.64	-25	PASS
Band38	15	38175	75	#0	QAM16	6859.93	-39.72	-25	PASS
Band38	20	37850	100	#0	QAM16	6663.7	-39.53	-25	PASS
Band38	20	38150	100	#0	QAM16	6193.9	-39.87	-25	PASS
Band38	5	37775	25	#0	QPSK	6234.5	-40.38	-25	PASS
Band38	5	38225	25	#0	QPSK	6855.1	-40.23	-25	PASS
Band38	10	37800	50	#0	QPSK	6911.17	-40.32	-25	PASS
Band38	10	38200	50	#0	QPSK	6714.93	-40.29	-25	PASS
Band38	15	37825	75	#0	QPSK	6745.87	-39.02	-25	PASS
Band38	15	38175	75	#0	QPSK	6736.2	-39.34	-25	PASS
Band38	20	37850	100	#0	QPSK	6826.1	-39.77	-25	PASS
Band38	20	38150	100	#0	QPSK	6679.17	-39.85	-25	PASS



Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0

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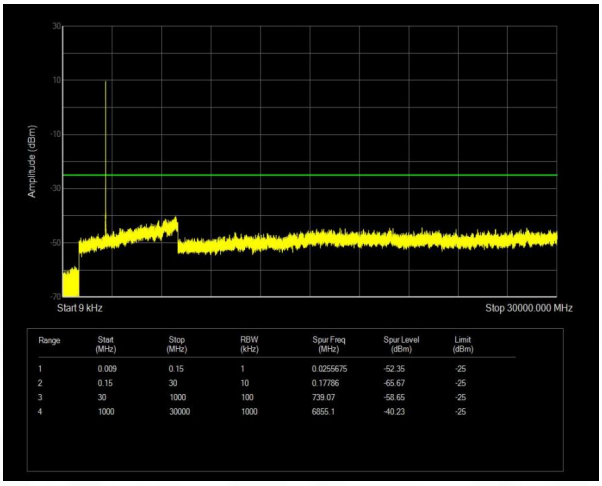
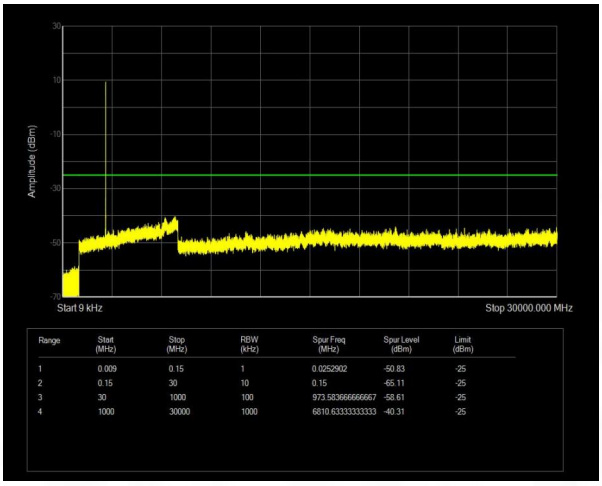
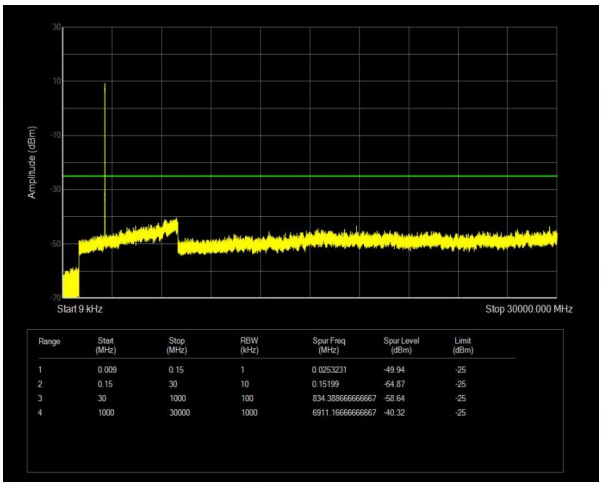


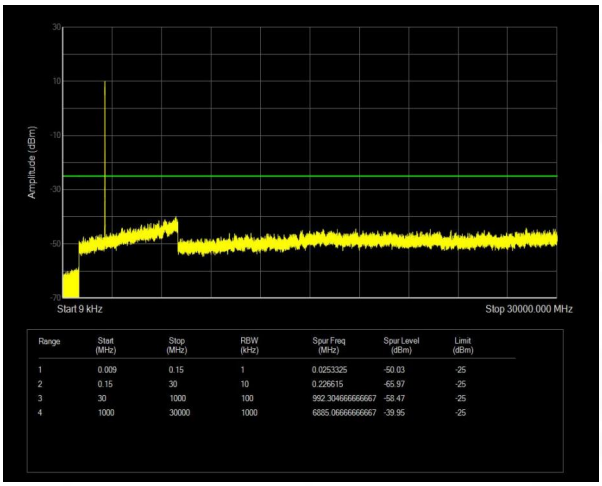
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



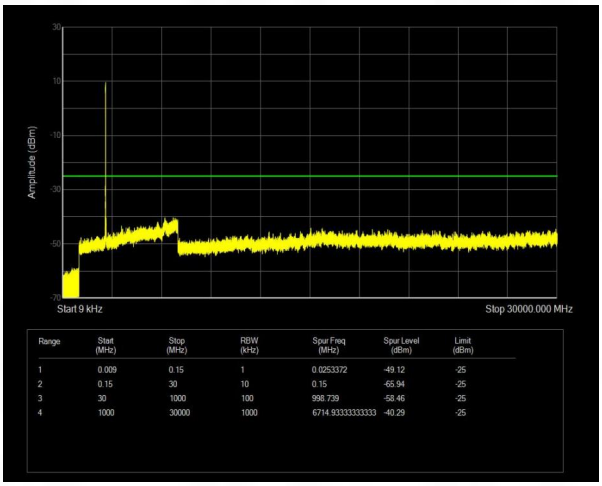
Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



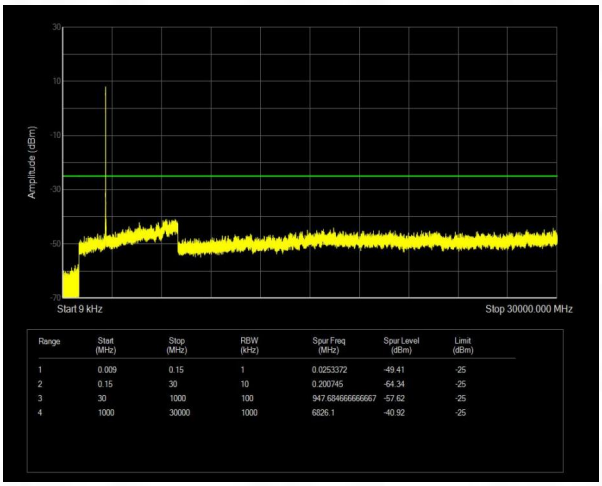
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0

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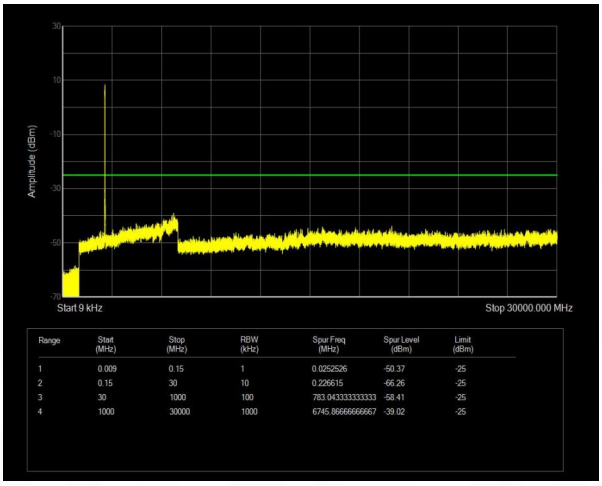
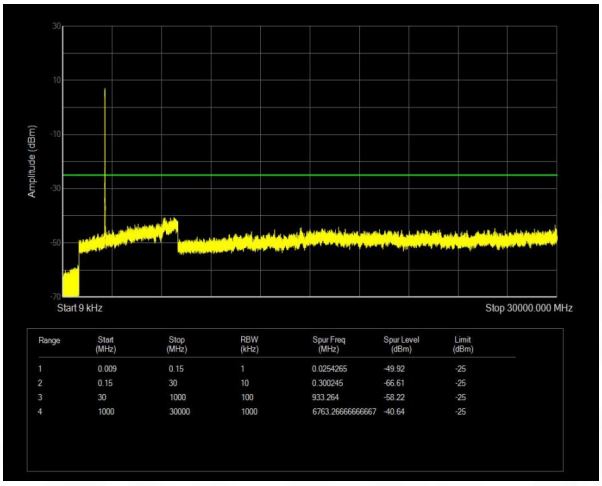
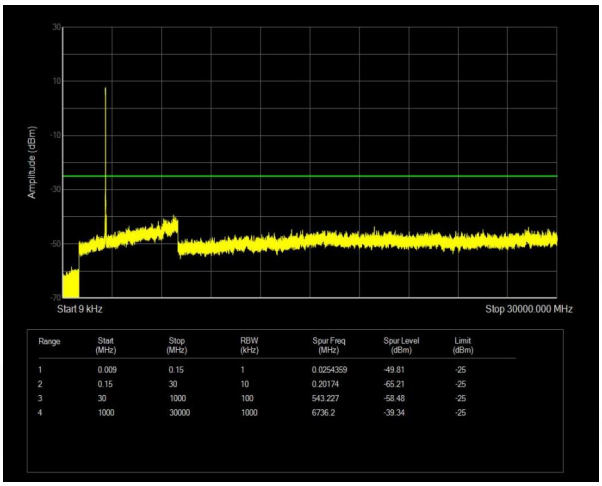


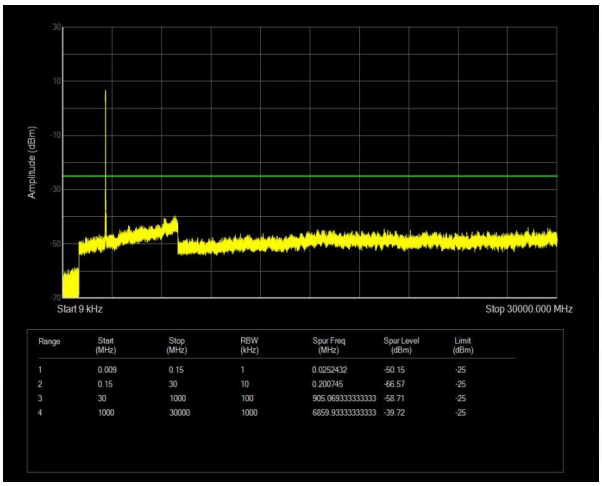
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



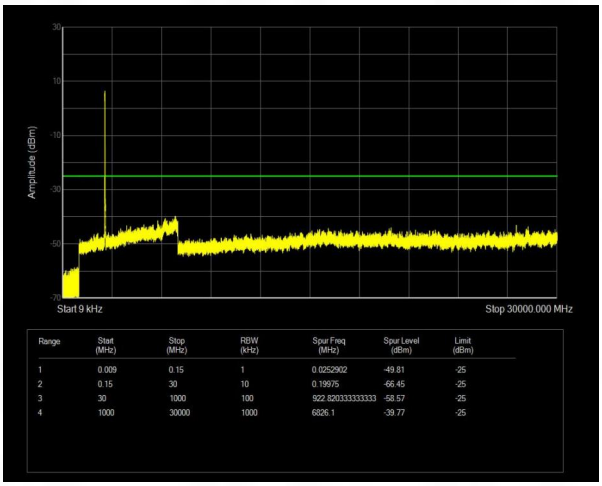
Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0



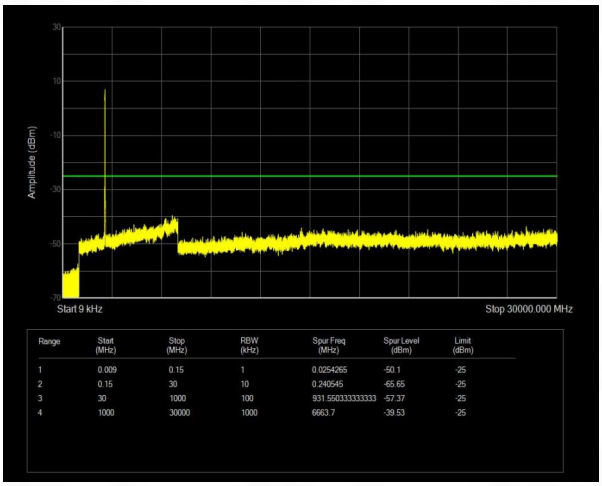
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0



Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0

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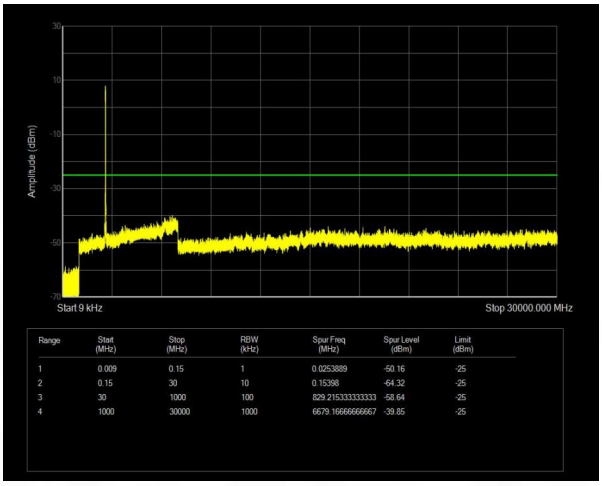	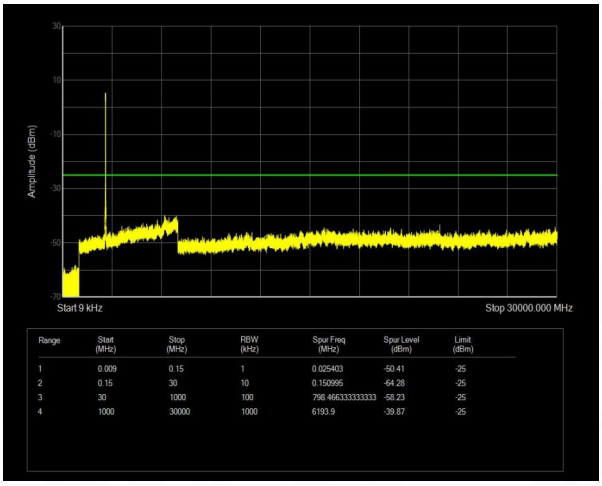
Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0	Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0

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LTE Band 41

Conducted output power and EIRP

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band41(2535-2655)	5	40065	1	#0	QAM16	23.56	1.44	25.00	33	PASS
Band41(2535-2655)	5	40065	1	#Mid	QAM16	23.69	1.44	25.13	33	PASS
Band41(2535-2655)	5	40065	1	#Max	QAM16	23.55	1.44	24.99	33	PASS
Band41(2535-2655)	5	40065	12	#0	QAM16	22.59	1.44	24.03	33	PASS
Band41(2535-2655)	5	40065	12	#Mid	QAM16	22.58	1.44	24.02	33	PASS
Band41(2535-2655)	5	40065	12	#Max	QAM16	22.54	1.44	23.98	33	PASS
Band41(2535-2655)	5	40065	25	#0	QAM16	22.78	1.44	24.22	33	PASS
Band41(2535-2655)	5	40640	1	#0	QAM16	23.47	1.44	24.91	33	PASS
Band41(2535-2655)	5	40640	1	#Mid	QAM16	23.17	1.44	24.61	33	PASS
Band41(2535-2655)	5	40640	1	#Max	QAM16	23.21	1.44	24.65	33	PASS
Band41(2535-2655)	5	40640	12	#0	QAM16	22.51	1.44	23.95	33	PASS
Band41(2535-2655)	5	40640	12	#Mid	QAM16	22.52	1.44	23.96	33	PASS
Band41(2535-2655)	5	40640	12	#Max	QAM16	22.49	1.44	23.93	33	PASS
Band41(2535-2655)	5	40640	25	#0	QAM16	22.60	1.44	24.04	33	PASS
Band41(2535-2655)	5	41215	1	#0	QAM16	23.39	1.44	24.83	33	PASS
Band41(2535-2655)	5	41215	1	#Mid	QAM16	23.53	1.44	24.97	33	PASS
Band41(2535-2655)	5	41215	1	#Max	QAM16	23.48	1.44	24.92	33	PASS
Band41(2535-2655)	5	41215	12	#0	QAM16	22.79	1.44	24.23	33	PASS
Band41(2535-2655)	5	41215	12	#Mid	QAM16	22.92	1.44	24.36	33	PASS
Band41(2535-2655)	5	41215	12	#Max	QAM16	22.82	1.44	24.26	33	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	22.69	1.44	24.13	33	PASS
Band41(2535-2655)	10	40090	1	#0	QAM16	24.05	1.44	25.49	33	PASS
Band41(2535-2655)	10	40090	1	#Mid	QAM16	24.33	1.44	25.77	33	PASS
Band41(2535-2655)	10	40090	1	#Max	QAM16	24.25	1.44	25.69	33	PASS
Band41(2535-2655)	10	40090	25	#0	QAM16	22.78	1.44	24.22	33	PASS
Band41(2535-2655)	10	40090	25	#Mid	QAM16	22.85	1.44	24.29	33	PASS
Band41(2535-2655)	10	40090	25	#Max	QAM16	22.96	1.44	24.40	33	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	22.70	1.44	24.14	33	PASS
Band41(2535-2655)	10	40640	1	#0	QAM16	22.92	1.44	24.36	33	PASS
Band41(2535-2655)	10	40640	1	#Mid	QAM16	22.88	1.44	24.32	33	PASS
Band41(2535-2655)	10	40640	1	#Max	QAM16	22.78	1.44	24.22	33	PASS
Band41(2535-2655)	10	40640	25	#0	QAM16	22.64	1.44	24.08	33	PASS
Band41(2535-2655)	10	40640	25	#Mid	QAM16	22.65	1.44	24.09	33	PASS
Band41(2535-2655)	10	40640	25	#Max	QAM16	22.55	1.44	23.99	33	PASS
Band41(2535-2655)	10	40640	50	#0	QAM16	22.53	1.44	23.97	33	PASS
Band41(2535-2655)	10	41190	1	#0	QAM16	24.14	1.44	25.58	33	PASS

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Band41(2535-2655)	10	41190	1	#Mid	QAM16	24.24	1.44	25.68	33	PASS
Band41(2535-2655)	10	41190	1	#Max	QAM16	24.26	1.44	25.70	33	PASS
Band41(2535-2655)	10	41190	25	#0	QAM16	22.62	1.44	24.06	33	PASS
Band41(2535-2655)	10	41190	25	#Mid	QAM16	22.74	1.44	24.18	33	PASS
Band41(2535-2655)	10	41190	25	#Max	QAM16	22.76	1.44	24.20	33	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	22.69	1.44	24.13	33	PASS
Band41(2535-2655)	15	40115	1	#0	QAM16	24.12	1.44	25.56	33	PASS
Band41(2535-2655)	15	40115	1	#Mid	QAM16	24.31	1.44	25.75	33	PASS
Band41(2535-2655)	15	40115	1	#Max	QAM16	24.42	1.44	25.86	33	PASS
Band41(2535-2655)	15	40115	36	#0	QAM16	22.82	1.44	24.26	33	PASS
Band41(2535-2655)	15	40115	36	#Mid	QAM16	22.73	1.44	24.17	33	PASS
Band41(2535-2655)	15	40115	36	#Max	QAM16	22.79	1.44	24.23	33	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	22.77	1.44	24.21	33	PASS
Band41(2535-2655)	15	40640	1	#0	QAM16	22.65	1.44	24.09	33	PASS
Band41(2535-2655)	15	40640	1	#Mid	QAM16	23.11	1.44	24.55	33	PASS
Band41(2535-2655)	15	40640	1	#Max	QAM16	22.85	1.44	24.29	33	PASS
Band41(2535-2655)	15	40640	36	#0	QAM16	22.74	1.44	24.18	33	PASS
Band41(2535-2655)	15	40640	36	#Mid	QAM16	22.82	1.44	24.26	33	PASS
Band41(2535-2655)	15	40640	36	#Max	QAM16	22.64	1.44	24.08	33	PASS
Band41(2535-2655)	15	40640	75	#0	QAM16	22.67	1.44	24.11	33	PASS
Band41(2535-2655)	15	41165	1	#0	QAM16	23.56	1.44	25.00	33	PASS
Band41(2535-2655)	15	41165	1	#Mid	QAM16	23.73	1.44	25.17	33	PASS
Band41(2535-2655)	15	41165	1	#Max	QAM16	23.71	1.44	25.15	33	PASS
Band41(2535-2655)	15	41165	36	#0	QAM16	22.56	1.44	24.00	33	PASS
Band41(2535-2655)	15	41165	36	#Mid	QAM16	22.73	1.44	24.17	33	PASS
Band41(2535-2655)	15	41165	36	#Max	QAM16	22.67	1.44	24.11	33	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	22.64	1.44	24.08	33	PASS
Band41(2535-2655)	20	40140	1	#0	QAM16	23.36	1.44	24.80	33	PASS
Band41(2535-2655)	20	40140	1	#Mid	QAM16	23.48	1.44	24.92	33	PASS
Band41(2535-2655)	20	40140	1	#Max	QAM16	23.44	1.44	24.88	33	PASS
Band41(2535-2655)	20	40140	50	#0	QAM16	22.87	1.44	24.31	33	PASS
Band41(2535-2655)	20	40140	50	#Mid	QAM16	22.97	1.44	24.41	33	PASS
Band41(2535-2655)	20	40140	50	#Max	QAM16	22.91	1.44	24.35	33	PASS
Band41(2535-2655)	20	40140	100	#0	QAM16	22.86	1.44	24.30	33	PASS
Band41(2535-2655)	20	40640	1	#0	QAM16	22.41	1.44	23.85	33	PASS
Band41(2535-2655)	20	40640	1	#Mid	QAM16	22.84	1.44	24.28	33	PASS
Band41(2535-2655)	20	40640	1	#Max	QAM16	23.05	1.44	24.49	33	PASS
Band41(2535-2655)	20	40640	50	#0	QAM16	22.41	1.44	23.85	33	PASS
Band41(2535-2655)	20	40640	50	#Mid	QAM16	22.67	1.44	24.11	33	PASS
Band41(2535-2655)	20	40640	50	#Max	QAM16	22.64	1.44	24.08	33	PASS
Band41(2535-2655)	20	40640	100	#0	QAM16	22.45	1.44	23.89	33	PASS
Band41(2535-2655)	20	41140	1	#0	QAM16	23.72	1.44	25.16	33	PASS
Band41(2535-2655)	20	41140	1	#Mid	QAM16	23.70	1.44	25.14	33	PASS
Band41(2535-2655)	20	41140	1	#Max	QAM16	**23.87**	1.44	25.31	33	PASS
Band41(2535-2655)	20	41140	50	#0	QAM16	22.70	1.44	24.14	33	PASS

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Band41(2535-2655)	20	41140	50	#Mid	QAM16	22.77	1.44	24.21	33	PASS
Band41(2535-2655)	20	41140	50	#Max	QAM16	22.74	1.44	24.18	33	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	22.70	1.44	24.14	33	PASS
Band41(2535-2655)	5	40065	1	#0	QPSK	24.67	1.44	26.11	33	PASS
Band41(2535-2655)	5	40065	1	#Mid	QPSK	**25.26**	1.44	26.70	33	PASS
Band41(2535-2655)	5	40065	1	#Max	QPSK	24.72	1.44	26.16	33	PASS
Band41(2535-2655)	5	40065	12	#0	QPSK	23.76	1.44	25.20	33	PASS
Band41(2535-2655)	5	40065	12	#Mid	QPSK	23.75	1.44	25.19	33	PASS
Band41(2535-2655)	5	40065	12	#Max	QPSK	23.71	1.44	25.15	33	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	23.69	1.44	25.13	33	PASS
Band41(2535-2655)	5	40640	1	#0	QPSK	24.49	1.44	25.93	33	PASS
Band41(2535-2655)	5	40640	1	#Mid	QPSK	24.73	1.44	26.17	33	PASS
Band41(2535-2655)	5	40640	1	#Max	QPSK	24.47	1.44	25.91	33	PASS
Band41(2535-2655)	5	40640	12	#0	QPSK	23.64	1.44	25.08	33	PASS
Band41(2535-2655)	5	40640	12	#Mid	QPSK	23.73	1.44	25.17	33	PASS
Band41(2535-2655)	5	40640	12	#Max	QPSK	23.70	1.44	25.14	33	PASS
Band41(2535-2655)	5	40640	25	#0	QPSK	23.69	1.44	25.13	33	PASS
Band41(2535-2655)	5	41215	1	#0	QPSK	24.64	1.44	26.08	33	PASS
Band41(2535-2655)	5	41215	1	#Mid	QPSK	24.95	1.44	26.39	33	PASS
Band41(2535-2655)	5	41215	1	#Max	QPSK	24.67	1.44	26.11	33	PASS
Band41(2535-2655)	5	41215	12	#0	QPSK	23.91	1.44	25.35	33	PASS
Band41(2535-2655)	5	41215	12	#Mid	QPSK	23.94	1.44	25.38	33	PASS
Band41(2535-2655)	5	41215	12	#Max	QPSK	23.84	1.44	25.28	33	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	23.87	1.44	25.31	33	PASS
Band41(2535-2655)	10	40090	1	#0	QPSK	24.57	1.44	26.01	33	PASS
Band41(2535-2655)	10	40090	1	#Mid	QPSK	24.98	1.44	26.42	33	PASS
Band41(2535-2655)	10	40090	1	#Max	QPSK	24.69	1.44	26.13	33	PASS
Band41(2535-2655)	10	40090	25	#0	QPSK	23.74	1.44	25.18	33	PASS
Band41(2535-2655)	10	40090	25	#Mid	QPSK	23.81	1.44	25.25	33	PASS
Band41(2535-2655)	10	40090	25	#Max	QPSK	23.82	1.44	25.26	33	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	23.77	1.44	25.21	33	PASS
Band41(2535-2655)	10	40640	1	#0	QPSK	24.76	1.44	26.20	33	PASS
Band41(2535-2655)	10	40640	1	#Mid	QPSK	24.80	1.44	26.24	33	PASS
Band41(2535-2655)	10	40640	1	#Max	QPSK	24.82	1.44	26.26	33	PASS
Band41(2535-2655)	10	40640	25	#0	QPSK	23.71	1.44	25.15	33	PASS
Band41(2535-2655)	10	40640	25	#Mid	QPSK	23.72	1.44	25.16	33	PASS
Band41(2535-2655)	10	40640	25	#Max	QPSK	23.62	1.44	25.06	33	PASS
Band41(2535-2655)	10	40640	50	#0	QPSK	23.57	1.44	25.01	33	PASS
Band41(2535-2655)	10	41190	1	#0	QPSK	24.63	1.44	26.07	33	PASS
Band41(2535-2655)	10	41190	1	#Mid	QPSK	24.86	1.44	26.30	33	PASS
Band41(2535-2655)	10	41190	1	#Max	QPSK	24.63	1.44	26.07	33	PASS
Band41(2535-2655)	10	41190	25	#0	QPSK	23.83	1.44	25.27	33	PASS
Band41(2535-2655)	10	41190	25	#Mid	QPSK	23.91	1.44	25.35	33	PASS
Band41(2535-2655)	10	41190	25	#Max	QPSK	23.83	1.44	25.27	33	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	23.85	1.44	25.29	33	PASS

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Band41(2535-2655)	15	40115	1	#0	QPSK	24.70	1.44	26.14	33	PASS
Band41(2535-2655)	15	40115	1	#Mid	QPSK	24.88	1.44	26.32	33	PASS
Band41(2535-2655)	15	40115	1	#Max	QPSK	24.89	1.44	26.33	33	PASS
Band41(2535-2655)	15	40115	36	#0	QPSK	23.85	1.44	25.29	33	PASS
Band41(2535-2655)	15	40115	36	#Mid	QPSK	23.88	1.44	25.32	33	PASS
Band41(2535-2655)	15	40115	36	#Max	QPSK	23.82	1.44	25.26	33	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	23.85	1.44	25.29	33	PASS
Band41(2535-2655)	15	40640	1	#0	QPSK	24.58	1.44	26.02	33	PASS
Band41(2535-2655)	15	40640	1	#Mid	QPSK	24.85	1.44	26.29	33	PASS
Band41(2535-2655)	15	40640	1	#Max	QPSK	24.88	1.44	26.32	33	PASS
Band41(2535-2655)	15	40640	36	#0	QPSK	23.75	1.44	25.19	33	PASS
Band41(2535-2655)	15	40640	36	#Mid	QPSK	23.72	1.44	25.16	33	PASS
Band41(2535-2655)	15	40640	36	#Max	QPSK	23.63	1.44	25.07	33	PASS
Band41(2535-2655)	15	40640	75	#0	QPSK	23.53	1.44	24.97	33	PASS
Band41(2535-2655)	15	41165	1	#0	QPSK	24.66	1.44	26.10	33	PASS
Band41(2535-2655)	15	41165	1	#Mid	QPSK	24.85	1.44	26.29	33	PASS
Band41(2535-2655)	15	41165	1	#Max	QPSK	24.82	1.44	26.26	33	PASS
Band41(2535-2655)	15	41165	36	#0	QPSK	23.76	1.44	25.20	33	PASS
Band41(2535-2655)	15	41165	36	#Mid	QPSK	23.83	1.44	25.27	33	PASS
Band41(2535-2655)	15	41165	36	#Max	QPSK	23.75	1.44	25.19	33	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	23.67	1.44	25.11	33	PASS
Band41(2535-2655)	20	40140	1	#0	QPSK	24.38	1.44	25.82	33	PASS
Band41(2535-2655)	20	40140	1	#Mid	QPSK	24.67	1.44	26.11	33	PASS
Band41(2535-2655)	20	40140	1	#Max	QPSK	24.61	1.44	26.05	33	PASS
Band41(2535-2655)	20	40140	50	#0	QPSK	23.79	1.44	25.23	33	PASS
Band41(2535-2655)	20	40140	50	#Mid	QPSK	23.89	1.44	25.33	33	PASS
Band41(2535-2655)	20	40140	50	#Max	QPSK	23.95	1.44	25.39	33	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	23.91	1.44	25.35	33	PASS
Band41(2535-2655)	20	40640	1	#0	QPSK	24.49	1.44	25.93	33	PASS
Band41(2535-2655)	20	40640	1	#Mid	QPSK	24.58	1.44	26.02	33	PASS
Band41(2535-2655)	20	40640	1	#Max	QPSK	24.58	1.44	26.02	33	PASS
Band41(2535-2655)	20	40640	50	#0	QPSK	23.61	1.44	25.05	33	PASS
Band41(2535-2655)	20	40640	50	#Mid	QPSK	23.74	1.44	25.18	33	PASS
Band41(2535-2655)	20	40640	50	#Max	QPSK	23.72	1.44	25.16	33	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	23.61	1.44	25.05	33	PASS
Band41(2535-2655)	20	41140	1	#0	QPSK	24.93	1.44	26.37	33	PASS
Band41(2535-2655)	20	41140	1	#Mid	QPSK	24.99	1.44	26.43	33	PASS
Band41(2535-2655)	20	41140	1	#Max	QPSK	**25.04**	1.44	26.48	33	PASS
Band41(2535-2655)	20	41140	50	#0	QPSK	23.80	1.44	25.24	33	PASS
Band41(2535-2655)	20	41140	50	#Mid	QPSK	23.75	1.44	25.19	33	PASS
Band41(2535-2655)	20	41140	50	#Max	QPSK	23.77	1.44	25.21	33	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	23.65	1.44	25.09	33	PASS

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Frequency stability

Band	Band width (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature(℃)	Result (Hz)	Result (ppm)	Verdict
Band41(2535-2655)	20	40640	100	#0	QPSK	VL	NT	5.43	0.002	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	VN	NT	-3.25	-0.001	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	VH	NT	2.25	0.001	PASS

Band	Band width (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature(℃)	Result (Hz)	Result (ppm)	Verdict
Band41(2535-2655)	20	40640	100	#0	QPSK	NV	-30	-0.4	0.000	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	NV	-20	0.41	0.000	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	NV	-10	-1.24	0.000	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	NV	0	0.04	0.000	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	NV	10	0.39	0.000	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	NV	20	2.83	0.001	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	NV	30	-2.15	-0.001	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	NV	40	5.45	0.002	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	NV	50	0.72	0.000	PASS

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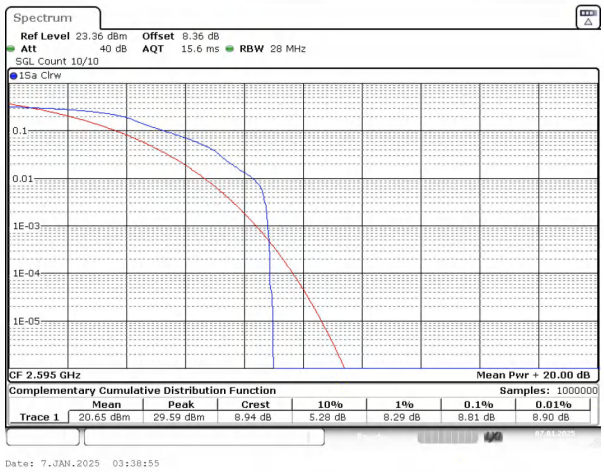
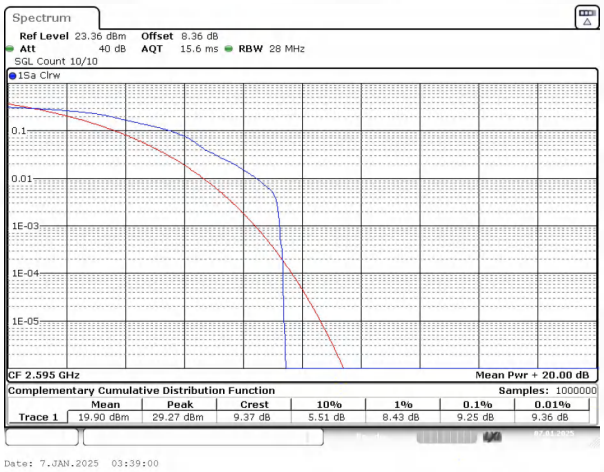
Peak-to-Average Ratio

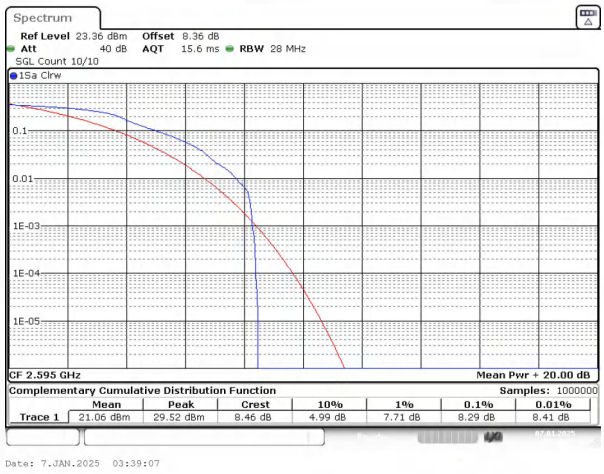
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41(2535-2655)	5	40640	1	#0	QAM16	9.25	13	PASS
Band41(2535-2655)	10	40640	1	#0	QAM16	9.62	13	PASS
Band41(2535-2655)	15	40640	1	#0	QAM16	9.65	13	PASS
Band41(2535-2655)	20	40640	1	#0	QAM16	9.22	13	PASS
Band41(2535-2655)	5	40640	1	#0	QPSK	8.81	13	PASS
Band41(2535-2655)	10	40640	1	#0	QPSK	8.29	13	PASS
Band41(2535-2655)	15	40640	1	#0	QPSK	8.29	13	PASS
Band41(2535-2655)	20	40640	1	#0	QPSK	8.32	13	PASS



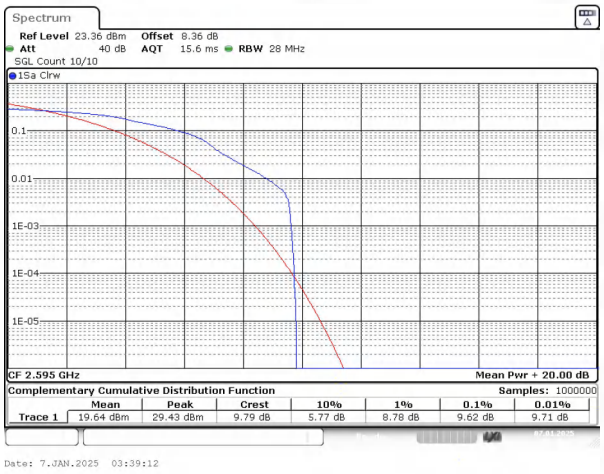
Band41(2535-2655) QPSK BW=5MHz Channel=40640 RB Size=1 Position=#0



Band41(2535-2655) QAM16 BW=5MHz Channel=40640 RB Size=1 Position=#0



Band41(2535-2655) QPSK BW=10MHz Channel=40640 RB Size=1 Position=#0



Band41(2535-2655) QAM16 BW=10MHz Channel=40640 RB Size=1 Position=#0

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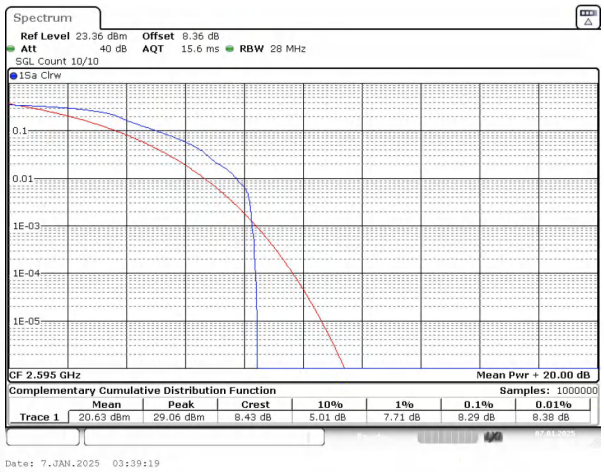
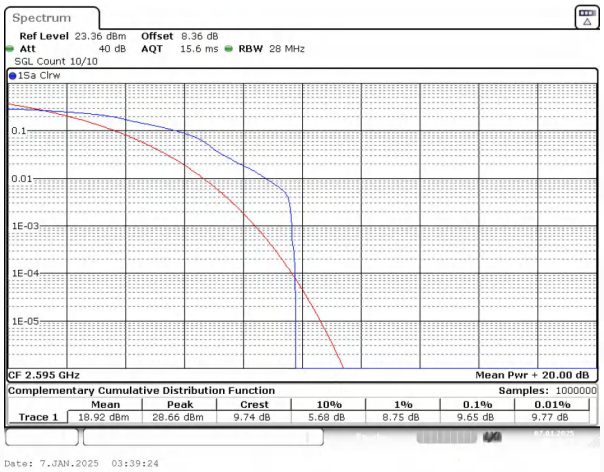
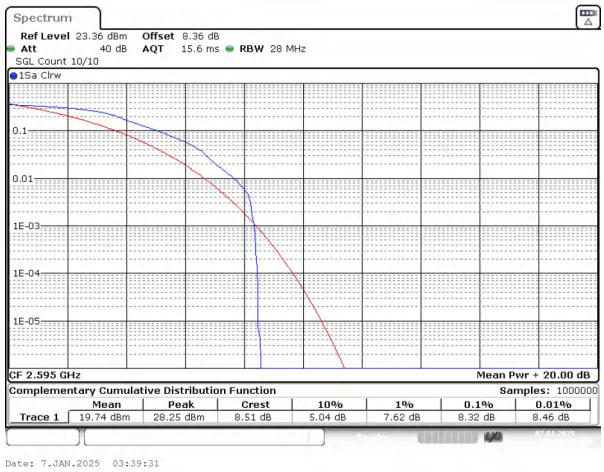


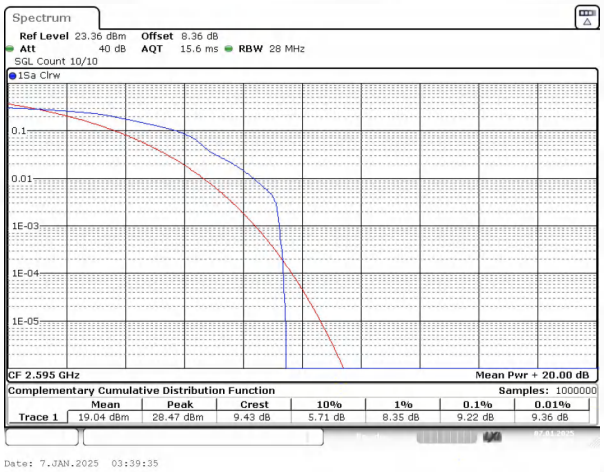
Band41(2535-2655) QPSK BW=15MHz Channel=40640 RB Size=1 Position=#0



Band41(2535-2655) QAM16 BW=15MHz Channel=40640 RB Size=1 Position=#0



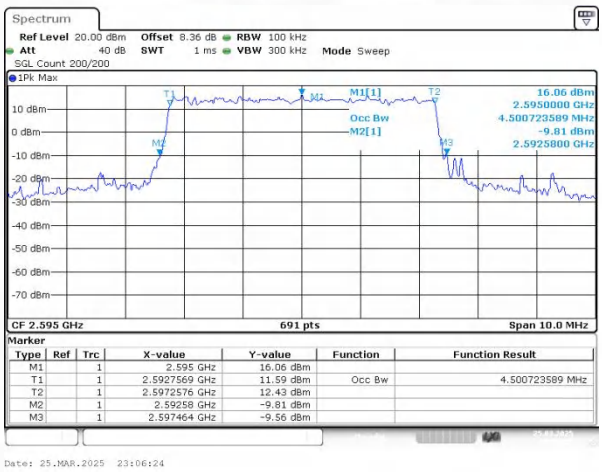
Band41(2535-2655) QPSK BW=20MHz Channel=40640 RB Size=1 Position=#0



Band41(2535-2655) QAM16 BW=20MHz Channel=40640 RB Size=1 Position=#0

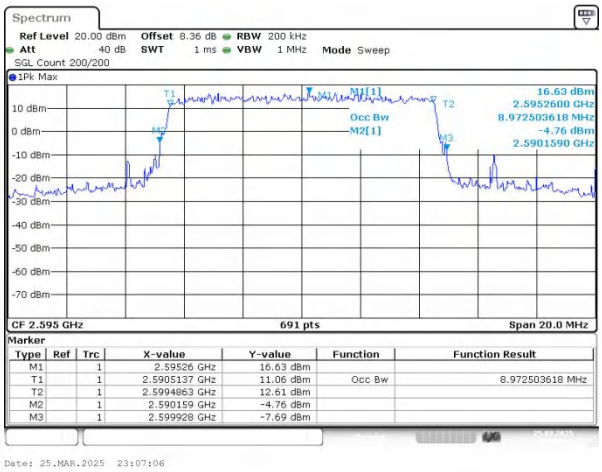
Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41(2535-2655)	5	40065	25	#0	QAM16	4.501	4.884	PASS
Band41(2535-2655)	5	40640	25	#0	QAM16	4.515	5.13	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	4.501	4.87	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	8.973	10.232	PASS
Band41(2535-2655)	10	40640	50	#0	QAM16	8.944	10	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	8.973	9.681	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	13.415	15.391	PASS
Band41(2535-2655)	15	40640	75	#0	QAM16	13.459	14.913	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	13.546	14.609	PASS
Band41(2535-2655)	20	40140	100	#0	QAM16	17.945	19.594	PASS
Band41(2535-2655)	20	40640	100	#0	QAM16	17.887	20	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	**17.887**	19.594	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	**4.486**	4.971	PASS
Band41(2535-2655)	5	40640	25	#0	QPSK	4.501	4.884	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	4.501	5.087	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	8.944	10.551	PASS
Band41(2535-2655)	10	40640	50	#0	QPSK	8.973	9.768	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	8.944	9.739	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	13.415	15.522	PASS
Band41(2535-2655)	15	40640	75	#0	QPSK	13.415	14.522	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	13.415	14.652	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	17.945	24	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	17.945	19.42	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	**17.887**	20.058	PASS



Band41(2535-2655) QPSK BW=5MHz Channel=40640 RB Size=25 Position=#0

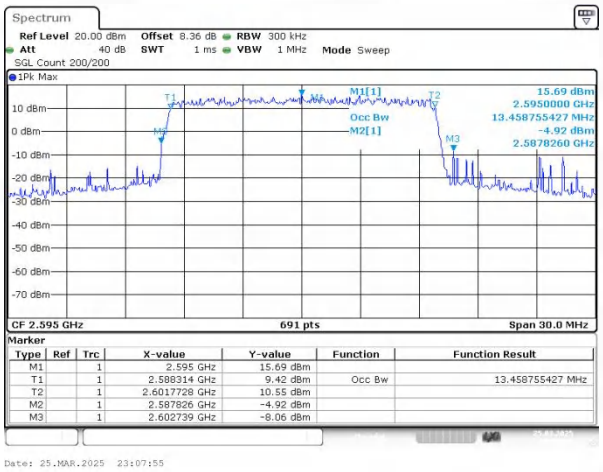
Band41(2535-2655) QAM16 BW=5MHz Channel=40640 RB Size=25 Position=#0



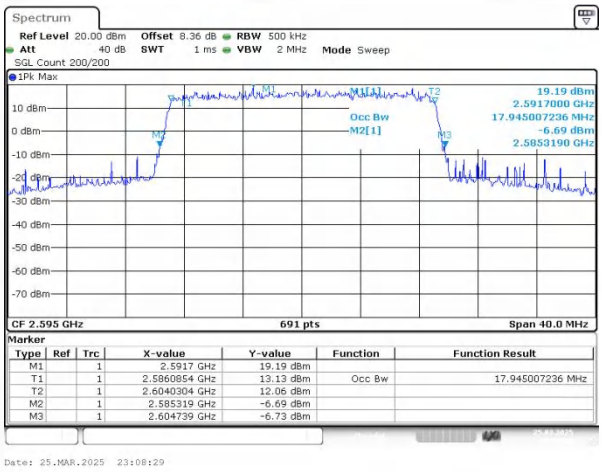
Band41(2535-2655) QPSK BW=10MHz Channel=40640 RB Size=50 Position=#0

Band41(2535-2655) QAM16 BW=10MHz Channel=40640 RB Size=50 Position=#0

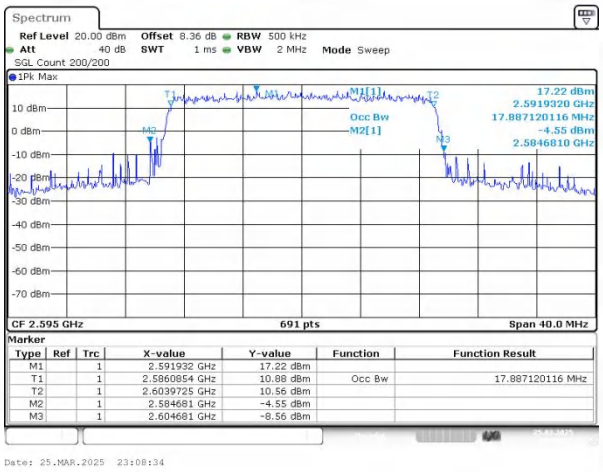
Band41(2535-2655) QPSK BW=15MHz Channel=40640 RB Size=75 Position=#0



Band41(2535-2655) QAM16 BW=15MHz Channel=40640 RB Size=75 Position=#0



Band41(2535-2655) QPSK BW=20MHz Channel=40640 RB Size=100 Position=#0



Band41(2535-2655) QAM16 BW=20MHz Channel=40640 RB Size=100 Position=#0

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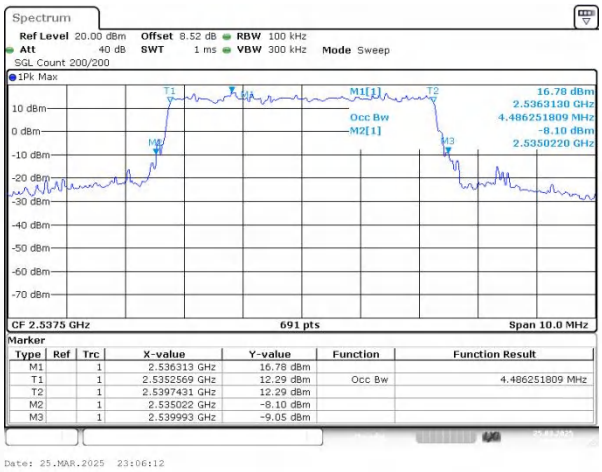
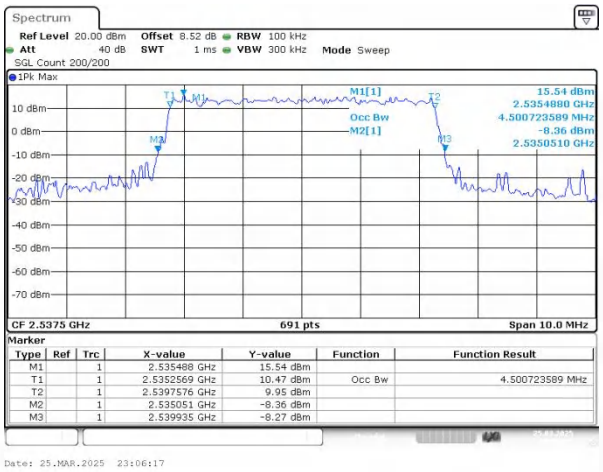
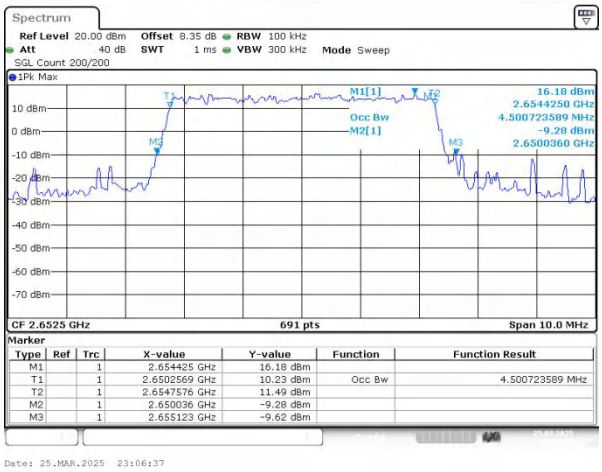


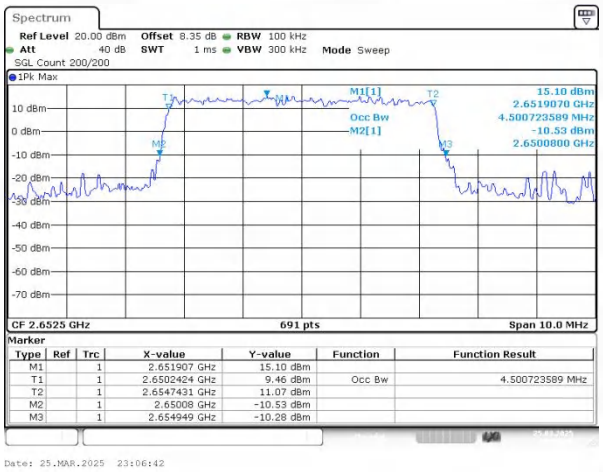
Band41(2535-2655) QPSK BW=5MHz Channel=40065 RB Size=25 Position=#0



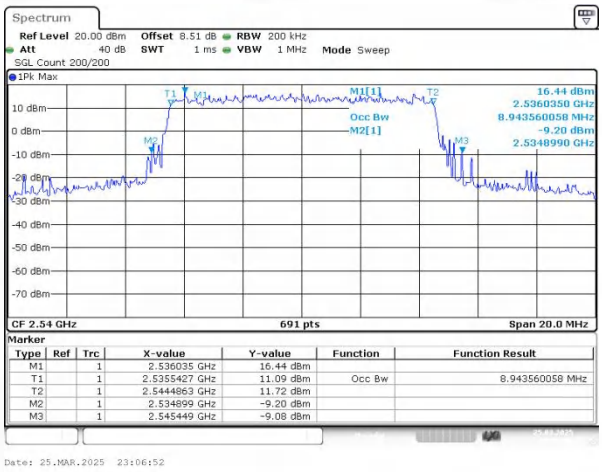
Band41(2535-2655) QAM16 BW=5MHz Channel=40065 RB Size=25 Position=#0



Band41(2535-2655) QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0

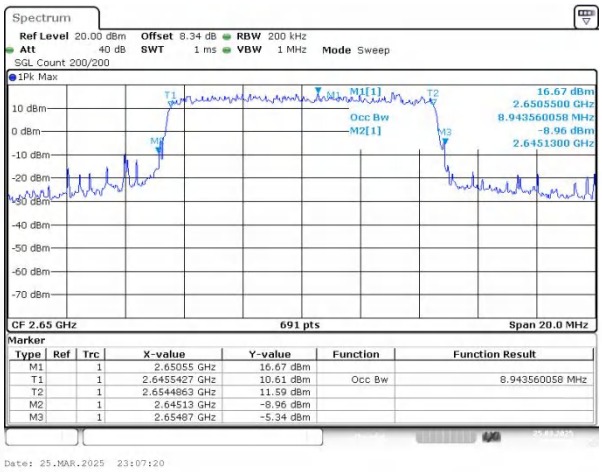


Band41(2535-2655) QAM16 BW=5MHz Channel=41215 RB Size=25 Position=#0

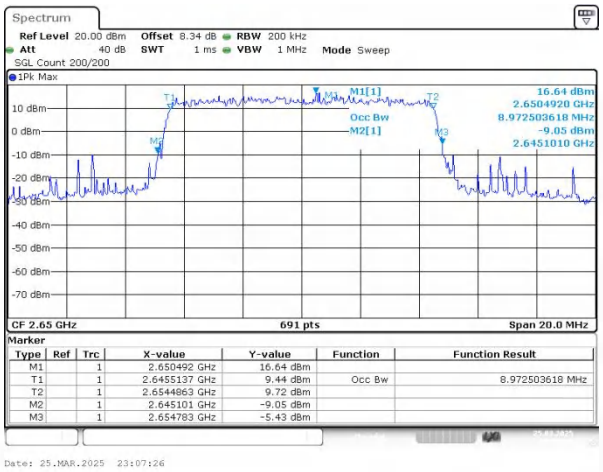


Band41(2535-2655) QPSK BW=10MHz Channel=40090 RB Size=50 Position=#0

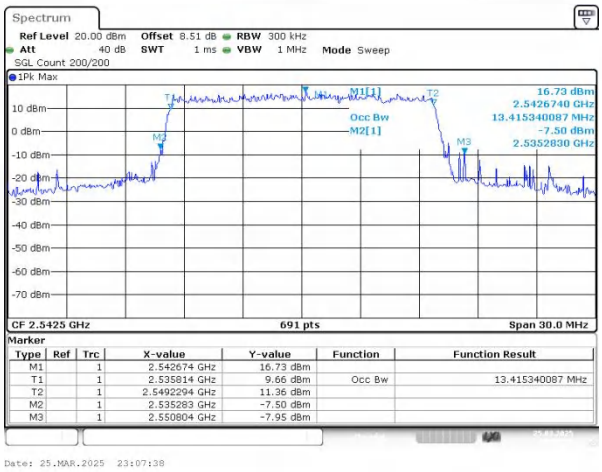
Band41(2535-2655) QAM16 BW=10MHz Channel=40090 RB Size=50 Position=#0



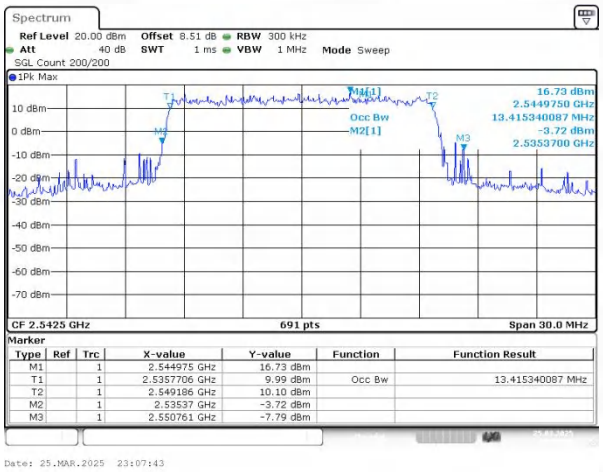
Band41(2535-2655) QPSK BW=10MHz Channel=41190 RB Size=50 Position=#0



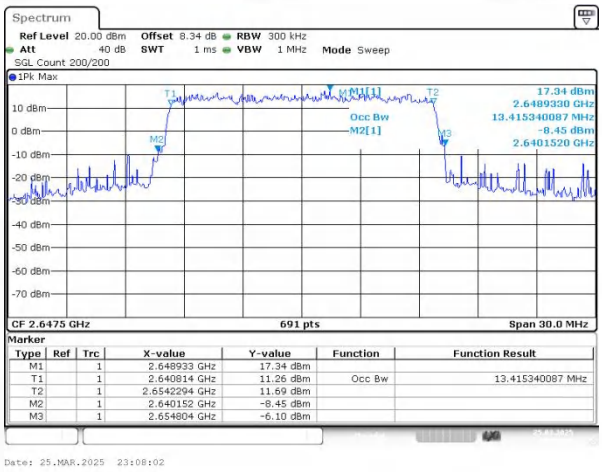
Band41(2535-2655) QAM16 BW=10MHz Channel=41190 RB Size=50 Position=#0



Band41(2535-2655) QPSK BW=15MHz Channel=40115 RB Size=75 Position=#0

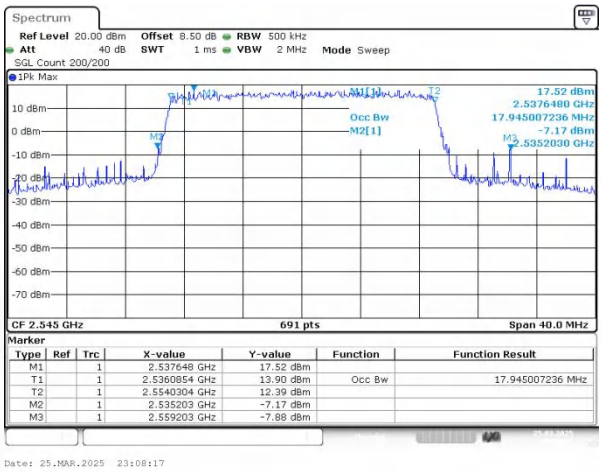


Band41(2535-2655) QAM16 BW=15MHz Channel=40115 RB Size=75 Position=#0

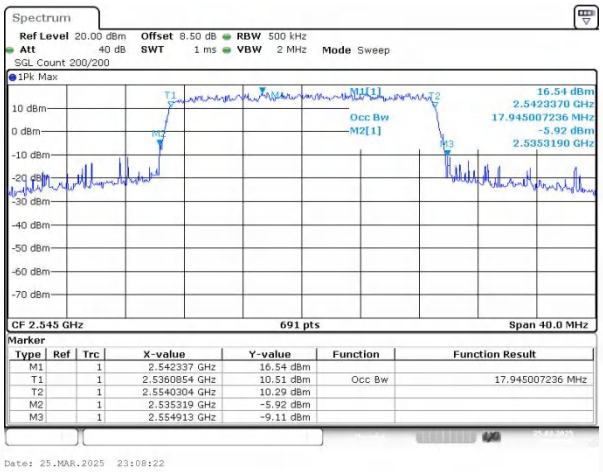


Band41(2535-2655) QPSK BW=15MHz Channel=41165 RB Size=75 Position=#0

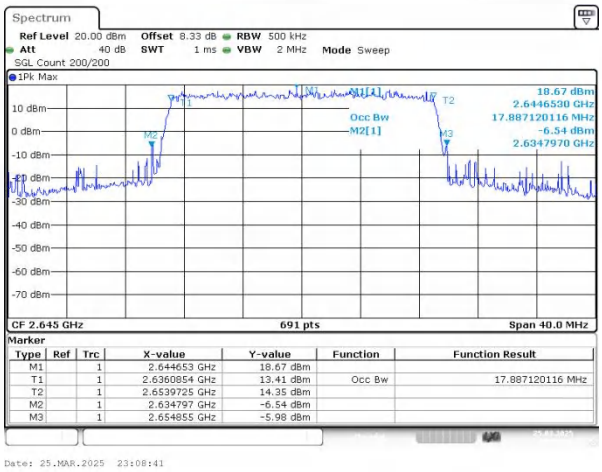
Band41(2535-2655) QAM16 BW=15MHz Channel=41165 RB Size=75 Position=#0



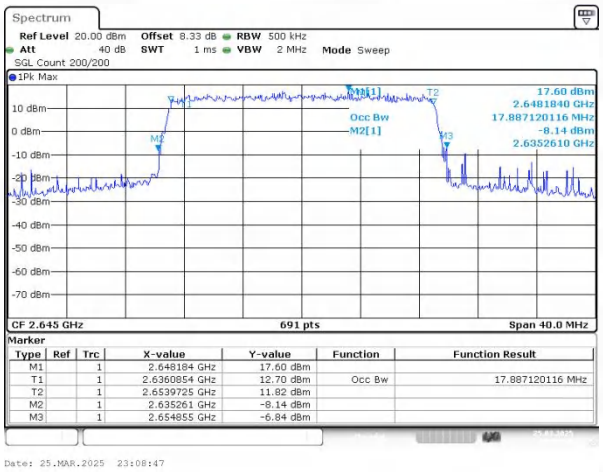
Band41(2535-2655) QPSK BW=20MHz Channel=40140 RB Size=100 Position=#0



Band41(2535-2655) QAM16 BW=20MHz Channel=40140 RB Size=100 Position=#0



Band41(2535-2655) QPSK BW=20MHz Channel=41140 RB Size=100 Position=#0



Band41(2535-2655) QAM16 BW=20MHz Channel=41140 RB Size=100 Position=#0

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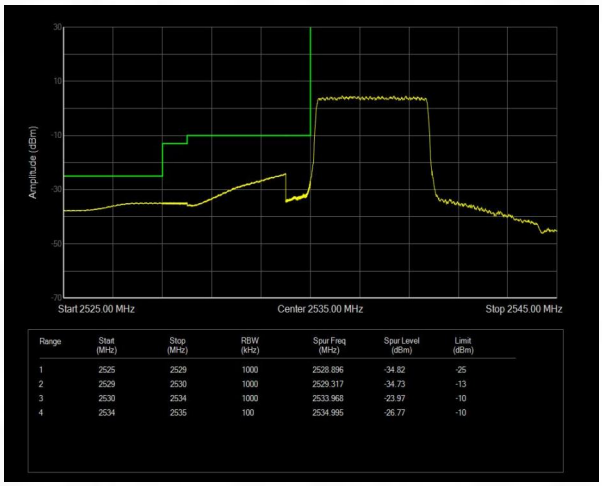
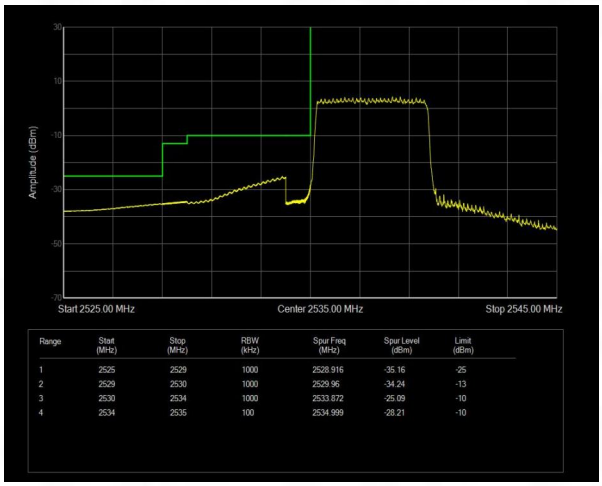
Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41(2535-2655)	5	40065	25	#0	QAM16	2528.92	-35.16	-25	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	2661.15	-33.19	-25	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	2524.15	-35.58	-25	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	2666.73	-34.19	-25	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	2519.54	-35.66	-25	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	2671.33	-35.2	-25	PASS
Band41(2535-2655)	20	40140	100	#0	QAM16	2514.9	-37.36	-25	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	2675.02	-36.73	-25	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	2528.9	-34.82	-25	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	2661.85	-33.52	-25	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	2523.93	-35.99	-25	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	2665.33	-34.6	-25	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	2519.76	-36.25	-25	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	2670.02	-35.19	-25	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	2510.34	-37.32	-25	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	2679.97	-36.6	-25	PASS



Band41(2535-2655) QPSK BW=5MHz Channel=40065 RB Size=25 Position=#0



Band41(2535-2655) QAM16 BW=5MHz Channel=40065 RB Size=25 Position=#0

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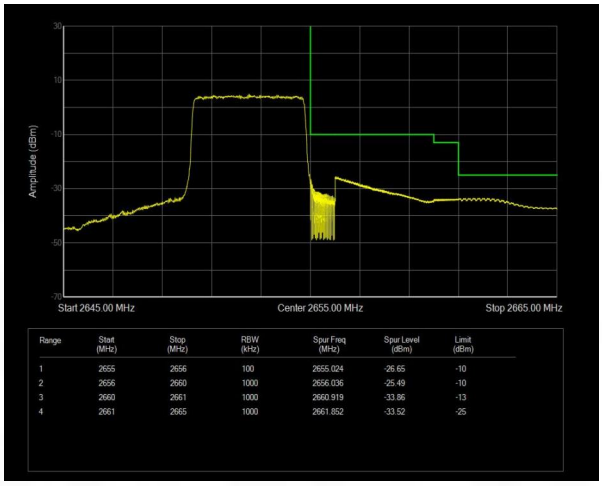
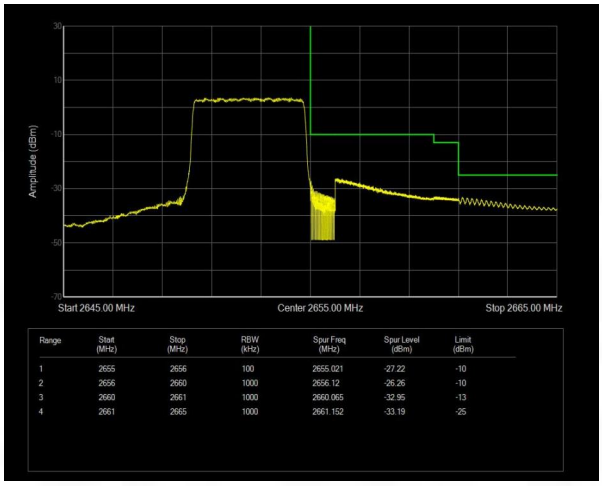
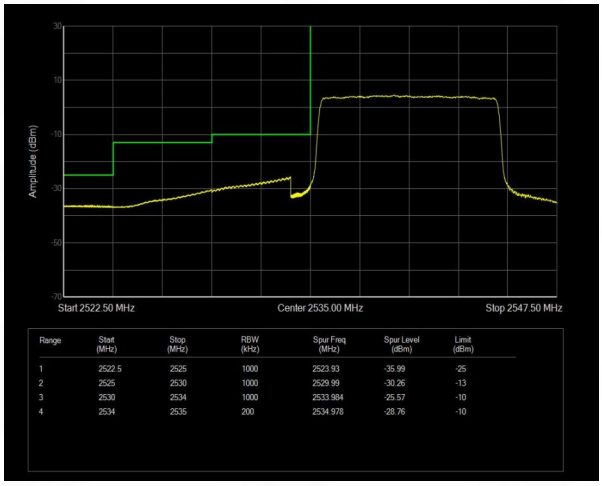


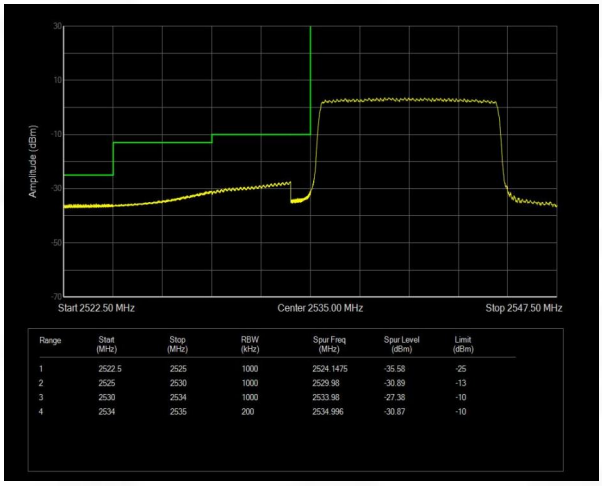
Band41(2535-2655) QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0



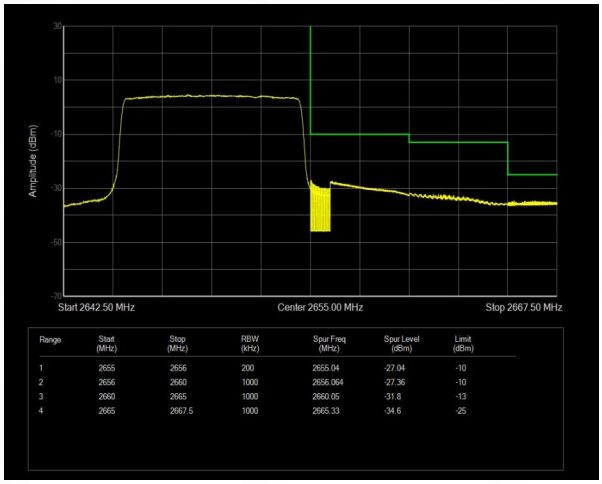
Band41(2535-2655) QAM16 BW=5MHz Channel=41215 RB Size=25 Position=#0



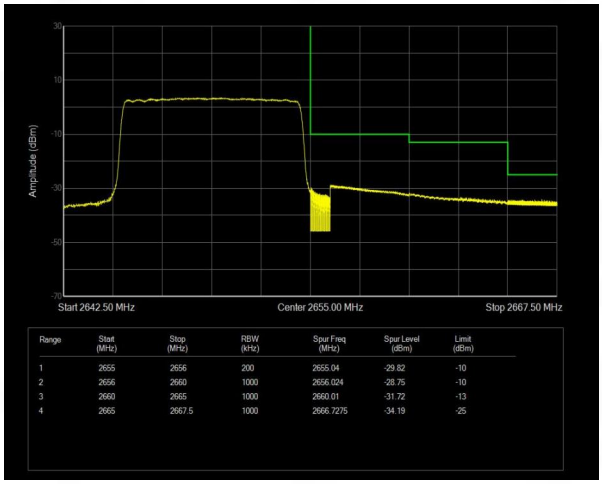
Band41(2535-2655) QPSK BW=10MHz Channel=40090 RB Size=50 Position=#0



Band41(2535-2655) QAM16 BW=10MHz Channel=40090 RB Size=50 Position=#0



Band41(2535-2655) QPSK BW=10MHz Channel=41190 RB Size=50 Position=#0



Band41(2535-2655) QAM16 BW=10MHz Channel=41190 RB Size=50 Position=#0

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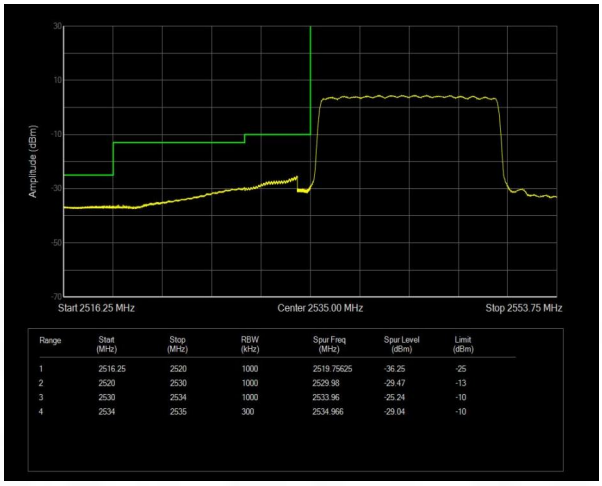
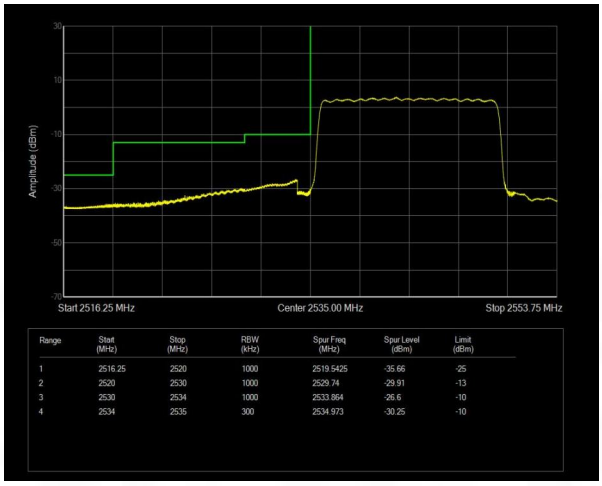
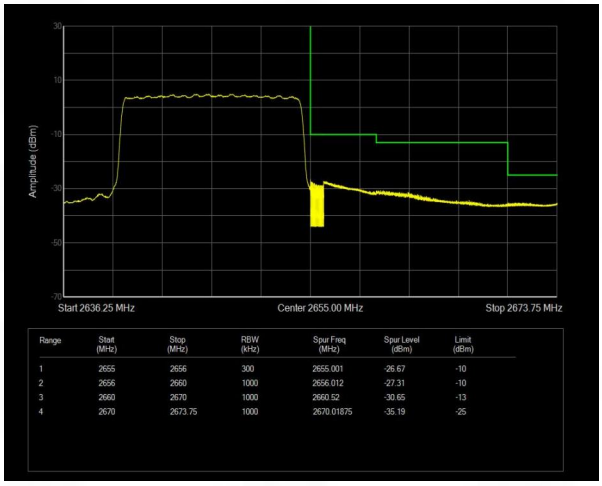


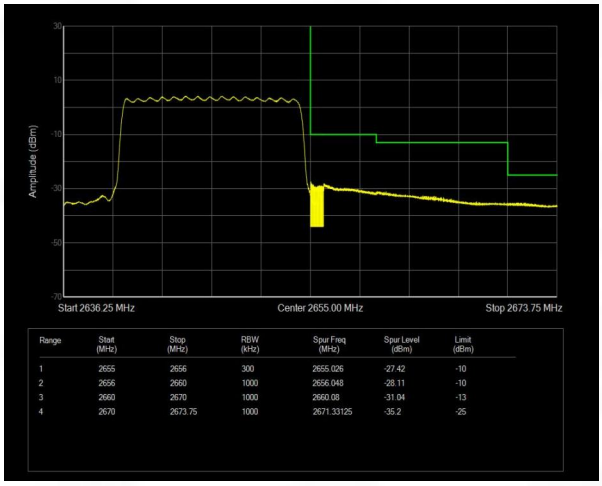
Band41(2535-2655) QPSK BW=15MHz Channel=40115 RB Size=75 Position=#0



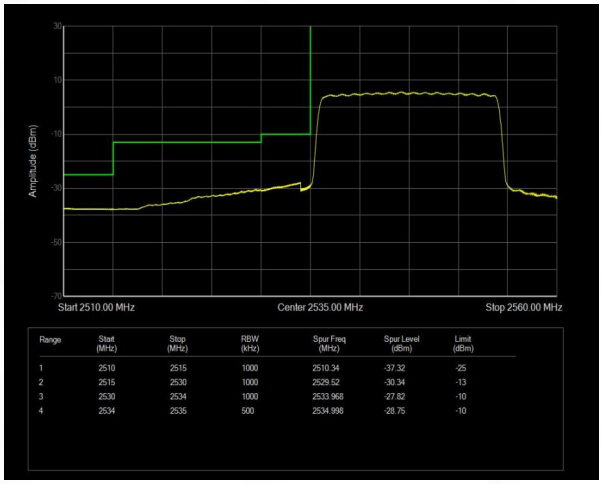
Band41(2535-2655) QAM16 BW=15MHz Channel=40115 RB Size=75 Position=#0



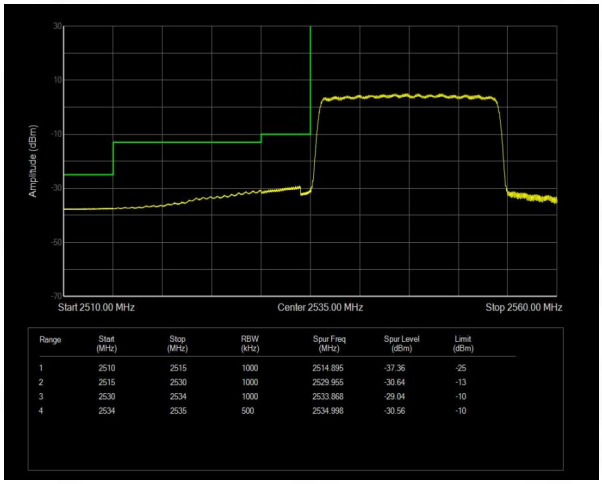
Band41(2535-2655) QPSK BW=15MHz Channel=41165 RB Size=75 Position=#0



Band41(2535-2655) QAM16 BW=15MHz Channel=41165 RB Size=75 Position=#0



Band41(2535-2655) QPSK BW=20MHz Channel=40140 RB Size=100 Position=#0



Band41(2535-2655) QAM16 BW=20MHz Channel=40140 RB Size=100 Position=#0

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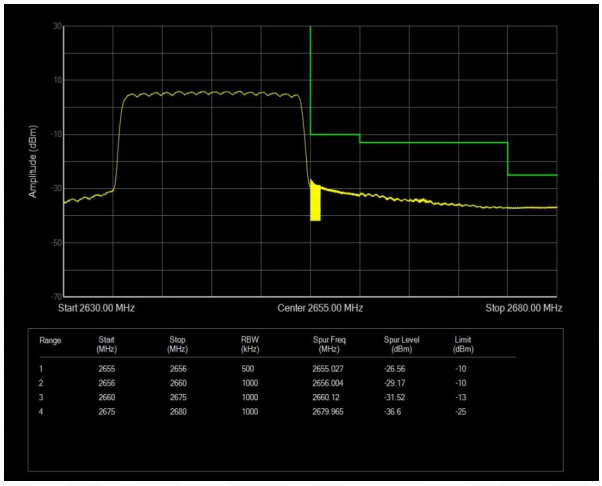
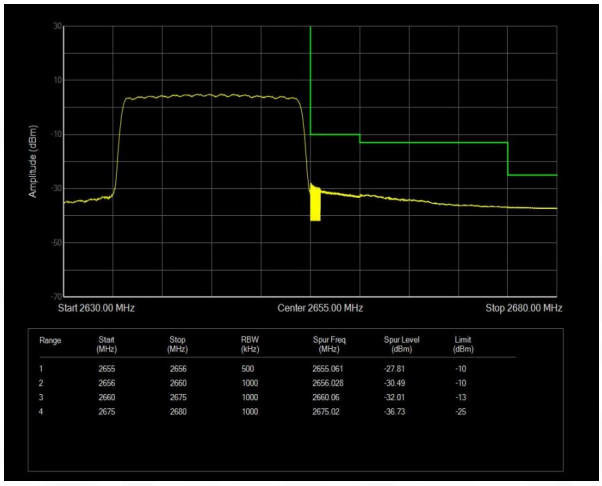
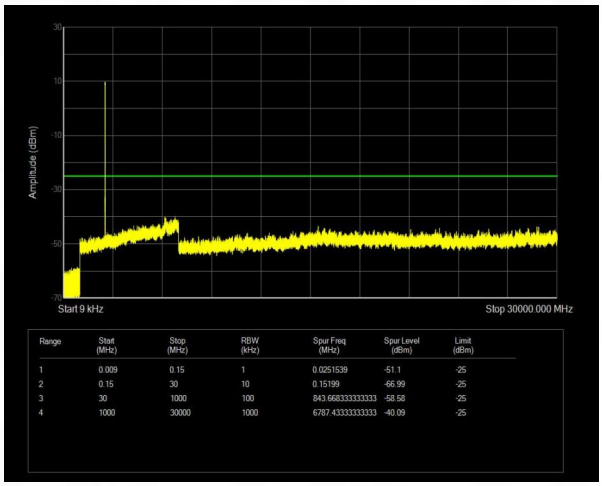
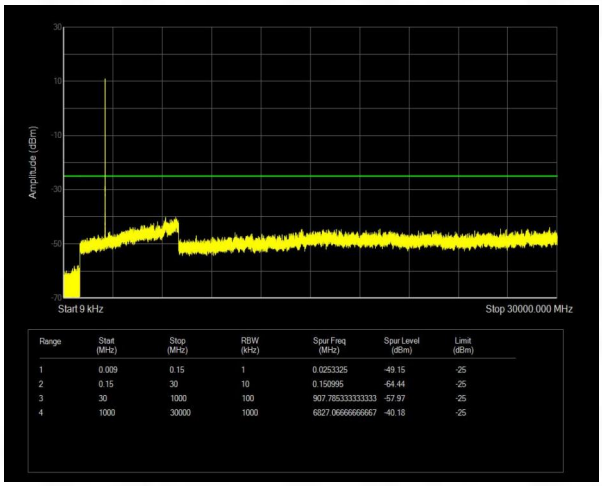
	
Band41(2535-2655) QPSK BW=20MHz Channel=41140 RB Size=100 Position=#0	Band41(2535-2655) QAM16 BW=20MHz Channel=41140 RB Size=100 Position=#0

Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41(2535-2655)	5	40065	25	#0	QAM16	6827.07	-40.18	-25	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	6778.73	-39.26	-25	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	6825.13	-40.31	-25	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	6927.6	-40.11	-25	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	6851.23	-40.41	-25	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	6803.87	-40.07	-25	PASS
Band41(2535-2655)	20	40140	100	#0	QAM16	6737.17	-40.09	-25	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	6806.77	-40.24	-25	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	6787.43	-40.09	-25	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	6881.2	-39.97	-25	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	6220.97	-40.13	-25	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	6813.53	-39.24	-25	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	6221.93	-39.24	-25	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	6720.73	-39.72	-25	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	6774.87	-39.56	-25	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	6214.2	-40.1	-25	PASS



Band41(2535-2655) QPSK BW=5MHz Channel=40065 RB Size=25 Position=#0



Band41(2535-2655) QAM16 BW=5MHz Channel=40065 RB Size=25 Position=#0

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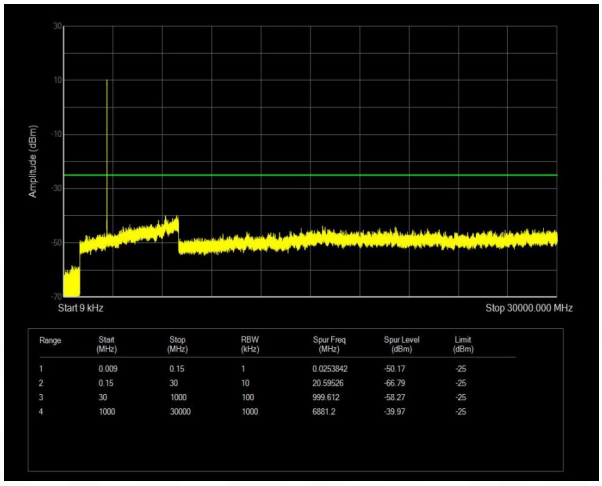
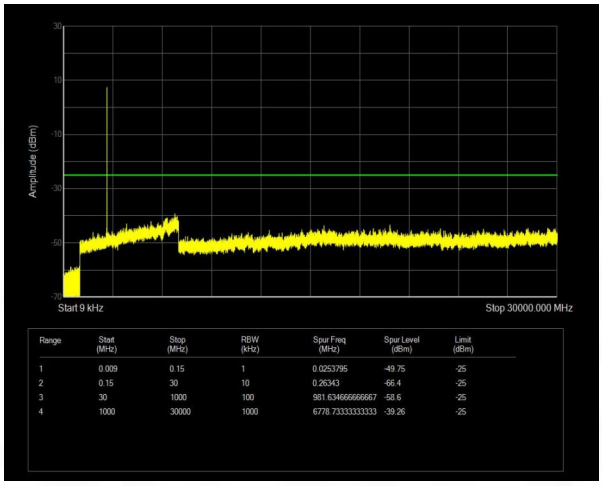
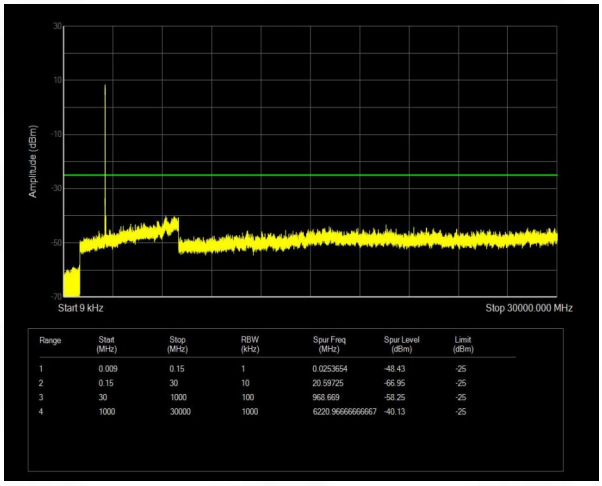


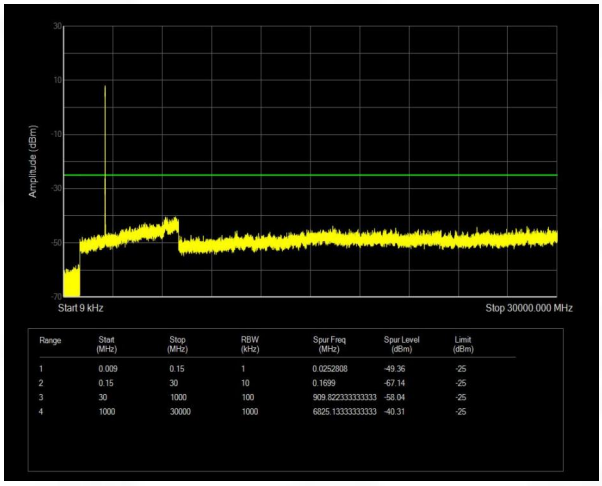
Band41(2535-2655) QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0



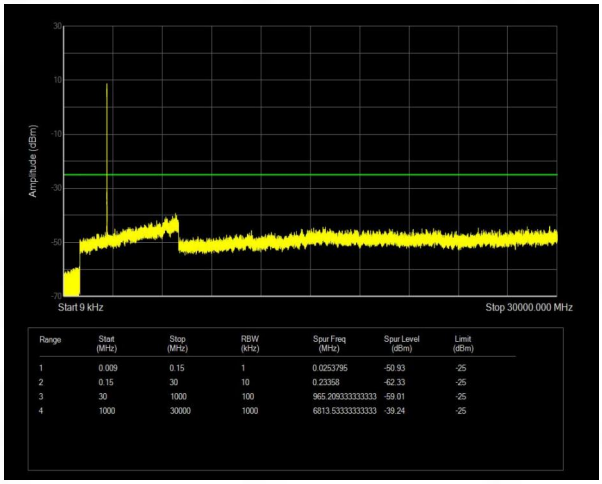
Band41(2535-2655) QAM16 BW=5MHz Channel=41215 RB Size=25 Position=#0



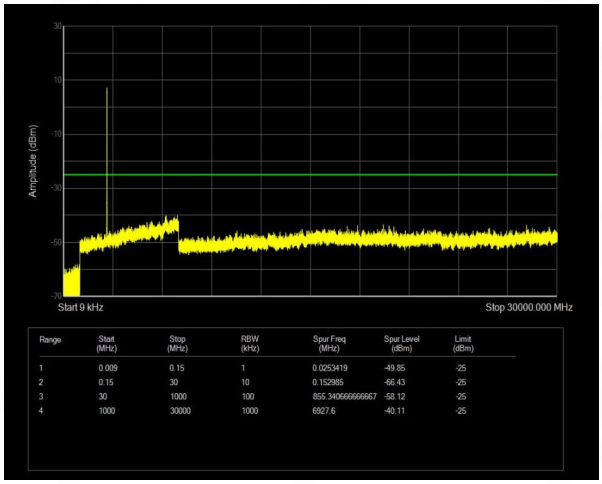
Band41(2535-2655) QPSK BW=10MHz Channel=40090 RB Size=50 Position=#0



Band41(2535-2655) QAM16 BW=10MHz Channel=40090 RB Size=50 Position=#0



Band41(2535-2655) QPSK BW=10MHz Channel=41190 RB Size=50 Position=#0



Band41(2535-2655) QAM16 BW=10MHz Channel=41190 RB Size=50 Position=#0

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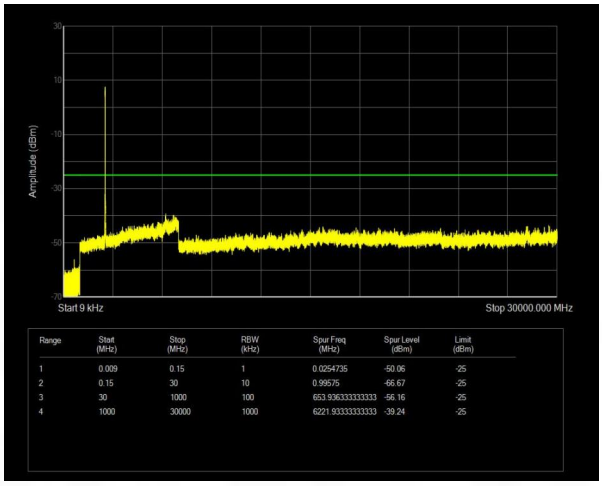
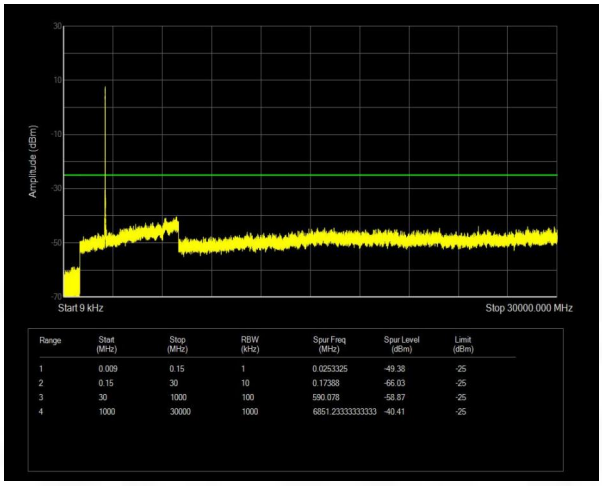
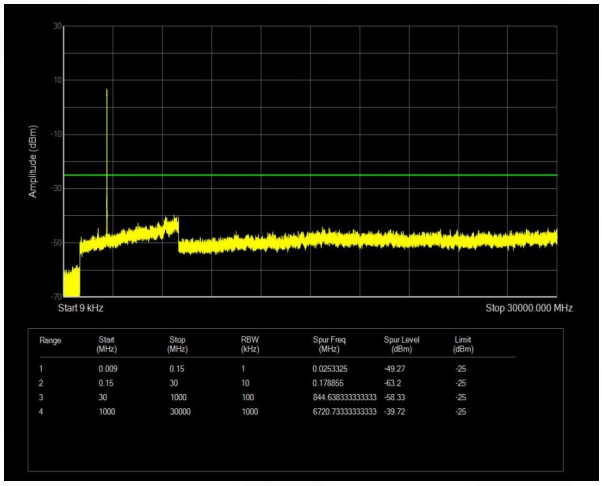
Email: info@btf-lab.com Tel: +86-755-23146130 http://www.btf-lab.com



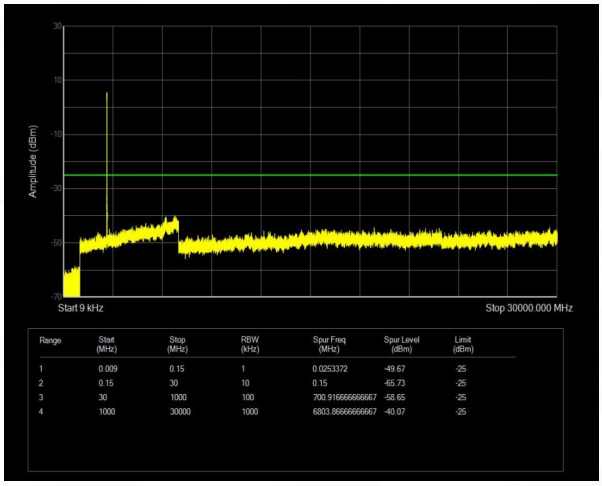
Band41(2535-2655) QPSK BW=15MHz Channel=40115 RB Size=75 Position=#0



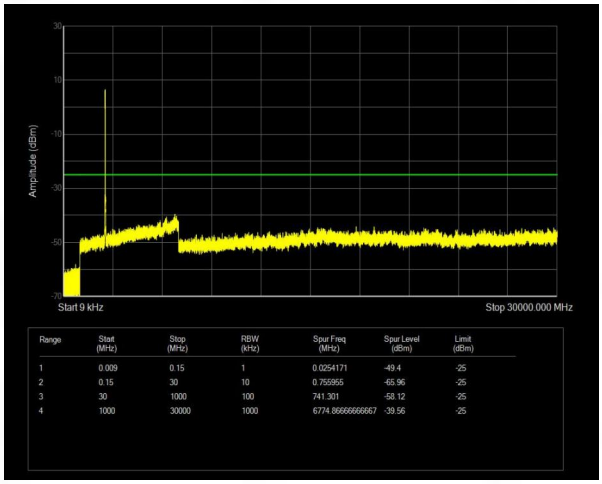
Band41(2535-2655) QAM16 BW=15MHz Channel=40115 RB Size=75 Position=#0



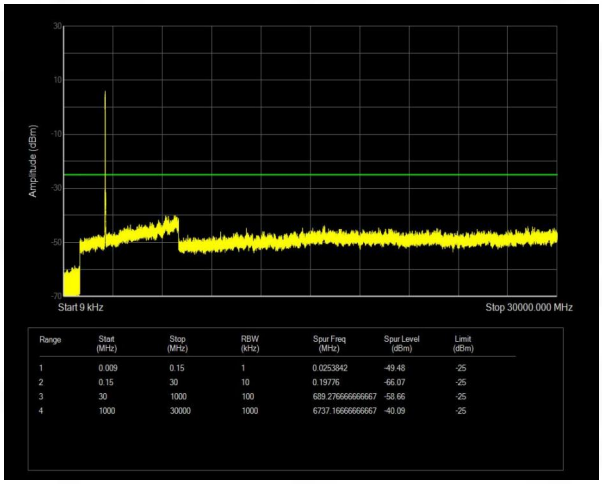
Band41(2535-2655) QPSK BW=15MHz Channel=41165 RB Size=75 Position=#0



Band41(2535-2655) QAM16 BW=15MHz Channel=41165 RB Size=75 Position=#0



Band41(2535-2655) QPSK BW=20MHz Channel=40140 RB Size=100 Position=#0



Band41(2535-2655) QAM16 BW=20MHz Channel=40140 RB Size=100 Position=#0

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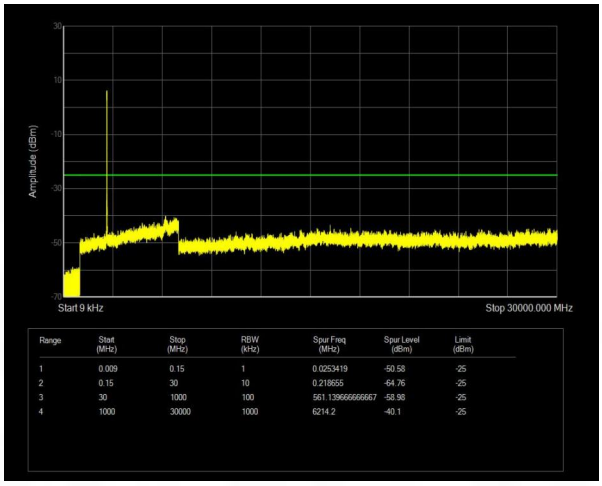	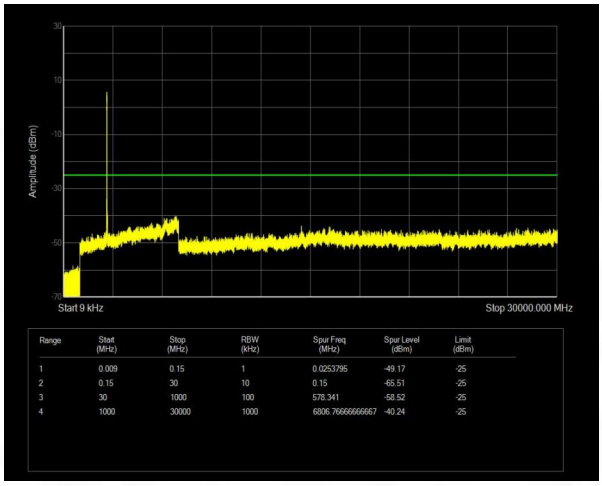
Band41(2535-2655) QPSK BW=20MHz Channel=41140 RB Size=100 Position=#0	Band41(2535-2655) QAM16 BW=20MHz Channel=41140 RB Size=100 Position=#0